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FILE 'CONFSCI' ENTERED AT 12:46:44 ON 20 NOV 2003

L1           0 S (MAIL() (IN OR INS) (3N) (REBATE OR REBATES))

File 347:JAPIO Opt 1976-2002/Apr(Updated 020805)  
(c) 2002 JPO & JAPIO  
File 348:EUROPEAN PATENTS 1978-2002/Aug W04  
(c) 2002 European Patent Office  
File 349:PCT FULLTEXT 1983-2002/UB=20020829,UT=20020815  
(c) 2002 WIPO/Univentio  
File 350:Derwent WPIX 1963-2002/UD,UM &UP=200255  
(c) 2002 Thomson Derwent

Set	Items	Description
S1	41	AU='PACKES J M':AU='PACKES JOHN M JR'
S2	331	AU='WALKER J' OR AU='WALKER J S'
S3	221	AU='WALKER JAY':AU='WALKER JAY S'
S4	252	AU='JORASCH J':AU='JORASCH JAMES A'
S5	179	AU='TEDESCO D':AU='TEDESCO DANIEL E'
S6	63	AU='BEMER K':AU='BEMER KEITH'
S7	16	AU='DICKERSON J' OR AU='DICKERSON J B' OR AU='DICKERSON JO- HN':AU='DICKERSON JOHN B'
S8	19	(S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7) AND REBATE?
S9	0	S1 AND (S2 OR S3) AND S4 AND S5 AND S6 AND S7



8/5/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00843152

**ENTERTAINMENT LAYER OVERLAID ON ONLINE TRANSACTIONS**  
**COUCHE DE DIVERTISSEMENT ACCOMPAGNANT DES TRANSACTIONS EN LIGNE**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:

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Park, Stamford, CT 06905, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200175758 A2 20011011 (WO 0175758)  
Application: WO 2001US9806 20010327 (PCT/WO US0109806)  
Priority Application: US 2000538773 20000330

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 22864

English Abstract

French Abstract

Legal Status (Type, Date, Text)

Publication 20011011 A2 With declaration under Article 17(2)(a); without  
abstract; title not checked by the International  
Searching Authority.

Examination 20020627 Request for preliminary examination prior to end of  
19th month from priority date

8/5/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00830839

**METHOD AND APPARATUS FOR PRESENTING AND SELECTING PRODUCT AGREEMENTS**  
**PROCEDE ET DISPOSITIF DE PRESENTATION ET DE SELECTION D'ACCORDS DE PRODUIT**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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GELMAN Geoffrey M, 21 Belltown Road, Stamford, CT 06905, US, US  
(Residence), US (Nationality), (Designated only for: US)  
**BEMER Keith**, 570 E. 75th Street #2, New York, NY 10021, US, US  
(Residence), US (Nationality), (Designated only for: US)  
FINCHAM Magdalena Mik, 3 Valley View Road, #24, Norwalk, CT 06851, US, US  
(Residence), US (Nationality), (Designated only for: US)  
GOLDEN Andrew P, 444 Bedford Street, Stamford, CT 06901, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

WALKER DIGITAL LLC (commercial rep.), c/o Steven, M., Santisi, Five High  
Ridge Park, Stamford, CT 06905, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200163522 A2 20010830 (WO 0163522)  
Application: WO 2001US5503 20010222 (PCT/WO US0105503)  
Priority Application: US 2000184485 20000223; US 2000609454 20000630

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 27289

English Abstract

French Abstract

Legal Status (Type, Date, Text)

Publication 20010830 A2 With declaration under Article 17(2)(a); without  
abstract; title not checked by the International  
Searching Authority.

8/5/3 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2002 WIPO/Univentio. All rts. reserv.

00818600 \*\*Image available\*\*

**METHOD AND APPARATUS FOR COLLECTING AND CATEGORIZING DATA AT A TERMINAL**  
**PROCEDE ET APPAREIL DE COLLECTE ET DE CLASSIFICATION DE DONNEES A UN**  
**TERMINAL**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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RATH Anna, 23232 Town Walk Drive, Hamden, CT 06518, US, US (Residence),  
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, US (Residence), US (Nationality), (Designated only for: US)  
GELMAN Geoffrey M, 21 Belltown Road, Stamford, CT 06906, US, US  
(Residence), US (Nationality), (Designated only for: US)  
Legal Representative:  
WALKER DIGITAL LLC (commercial rep.), c/o Dean Alderucci, Five High Ridge  
Park, Stamford, CT 06905, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200152088 A2 20010719 (WO 0152088)  
Application: WO 2001US1100 20010111 (PCT/WO US0101100)  
Priority Application: US 2000175723 20000112; US 2000609931 20000630  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Main International Patent Class: G06F-017/60  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 13735

#### English Abstract

#### French Abstract

L'invention concerne un procede et un systeme de collecte et de classification de donnees d'un sondage, comportant la reception d'informations sur des clients provenant de clients. Une demande est identifiee au moins, en partie sur la base des informations clients. Cette demande est produite en vue d'etre presentee au client. Dans l'un des modes de realisation, la demande est presentee au client par l'intermediaire d'un membre du personnel, un commis a un terminal de point de vente par exemple, afin de presenter verbalement la question au client. Ensuite, la reaction du client a cette demande est notee. La demande emanant du client peut etre, par exemple, une demande d'achat d'un ou plusieurs produits ou alors cette demande peut etre un conseil ou une information. La reaction du client est ensuite enregistree et analysee.

Legal Status (Type, Date, Text)  
Publication 20010719 A2 Without international search report and to be  
republished upon receipt of that report.  
Examination 20011227 Request for preliminary examination prior to end of  
19th month from priority date  
Declaration 20020516 Late publication under Article 17.2a  
Republication 20020516 A2 With declaration under Article 17(2)(a); without  
abstract; title not checked by the International  
Searching Authority.

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DIALOG(R) File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00790588 \*\*Image available\*\*  
SYSTEMS AND METHODS TO PROVIDE A PRODUCT TO A CUSTOMER BEFORE A FINAL  
TRANSACTION TERM VALUE IS ESTABLISHED  
SYSTEMES ET PROCEDES SERVANT A LIVRER UN PRODUIT A UN CLIENT AVANT  
L'ETABLISSEMENT DU TERME FINAL DE LA TRANSACTION  
Patent Applicant/Assignee:  
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TEDESCO Daniel E , 49 Kings Highway North, Westport, CT 06880, US, US  
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BEMER Keith , 517 E. 75th Street, #2E, New York, NY 10021, US, US  
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Legal Representative:

DUGAN Brian M (et al) (agent), Intellectual Property Department, Walker  
Digital Corporation, Five High Ridge Park, Stamford, CT 06905, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200124085 A2 20010405 (WO 0124085)  
Application: WO 2000US25394 20000915 (PCT/WO US0025394)  
Priority Application: US 99409041 19990929

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 10996

English Abstract

French Abstract

L'invention concerne un procede de vente d'un produit, permettant a un  
client d'effectuer une recherche comparative d'un produit et d'obtenir,  
en tant que partie d'une transaction d'achat, les termes de competitivite  
d'un produit apres l'acquisition du produit. Ce procede consiste a livrer  
le produit au client avant qu'au moins un des termes de la transaction  
ait ete etabli, a determiner une valeur finale du terme de la  
transaction, et a completer la vente en utilisant la valeur finale du  
terme de la transaction comme terme de la vente.

Legal Status (Type, Date, Text)

Publication 20010405 A2 Without international search report and to be  
republished upon receipt of that report.

Declaration 20011115 Late publication under Article 17.2a

Republication 20011115 A2 With declaration under Article 17(2)(a); without  
abstract; title not checked by the International  
Searching Authority.

8/5/5 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00785191 \*\*Image available\*\*

**SYSTEM AND METHOD FOR SUBSIDIZING CONDITIONAL PURCHASE OFFERS (CPOs)**

**SYSTEME ET PROCEDE DE SUBVENTIONNEMENT D'OFFRES D'ACHATS CONDITIONNELLES  
(CPO)**

Patent Applicant/Assignee:

PRICELINE COM INCORPORATED, 800 Connecticut Avenue, Norwalk, CT 06854, US  
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Inventor(s):

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Legal Representative:  
ANDRES John C (agent), priceline.com Incorporated, 800 Connecticut  
Avenue, Norwalk, CT 06854, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200118724 A1 20010315 (WO 0118724)  
Application: WO 2000US24696 20000908 (PCT/WO US0024696)  
Priority Application: US 99393257 19990910  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Main International Patent Class: G06F-017/60  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 13305

#### English Abstract

A conditional purchase offer (CPO) management system (200) is disclosed for receiving and processing CPOs from customers (1, 2, N) for goods or services. The CPO management system subsidizes CPO transactions by a corresponding subsidy amount to increase the original offer price or decrease the selling floor price. The amount of a given subsidy can vary depending, for example, on the relationship between the original offer price and an estimated selling price floor, or on the likelihood that a CPO will be accepted. The subsidy offer can be provided subject to at least one condition. Different types of subsidy offers, each with potentially different strategies for calculating a corresponding subsidy amount, can be applied to CPOs. The subsidy amount that is offered by a subsidizing party (130-1, 130-2, 130-3) can be increased by the CPO management system to further encourage a customer to accept the subsidy offer.

#### French Abstract

La presente invention concerne un systeme de gestion d'offres d'achats conditionnelles (CPO) (200) permettant de traiter et de recevoir des CPO provenant de clients (1, 2, N) pour des biens ou des services. Ce systeme de gestion de CPO subventionne les transactions de CPO avec une valeur de subvention correspondante pour augmenter l'offre de depart ou reduire le prix plancher de vente. Le volume d'une subvention donnee peut varier en fonction, par exemple, de la relation entre l'offre de depart et un prix plancher de vente estime, ou des chances qu'aura une CPO d'etre acceptee. L'offre de subvention peut etre soumise a au moins une condition. En outre, on peut appliquer aux CPO differents types d'offres de subventions, chacun avec des strategies potentiellement variees pour calculer une valeur de subvention correspondante. De plus, le systeme de gestion des CPO peut augmenter la valeur de subvention offerte par une partie de subventionnement (130-1, 130-2, 130-3) pour encourager le client a accepter l'offre de subventionnement.

#### Legal Status (Type, Date, Text)

Publication 20010315 A1 With international search report.  
Publication 20010315 A1 Before the expiration of the time limit for  
amending the claims and to be republished in the  
event of the receipt of amendments.  
Examination 20010927 Request for preliminary examination prior to end of  
19th month from priority date

8/5/6 (Item 6 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00781899 \*\*Image available\*\*

**DYNAMIC PROPAGATION OF PROMOTIONAL INFORMATION IN A NETWORK OF  
POINT-OF-SALE TERMINALS**  
**DIFFUSION DYNAMIQUE D'INFORMATIONS A CARACTERE PROMOTIONNEL DANS UN RESEAU  
DE TERMINAUX DE POINTS DE VENTE**

Patent Applicant/Assignee:

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**RATH Anna**, 23232 Town Walk Drive, Hamden, CT 06518, US, US (Residence),  
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Legal Representative:

**LEVIN Nathaniel** (et al) (agent), Walker Digital Corporation, Intellectual  
Property Department, Five High Ridge Park, Stamford, CT 06905, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200115033 A2-A3 20010301 (WO 0115033)

Application: WO 2000US19426 20000717 (PCT/WO US0019426)

Priority Application: US 99150630 19990825; US 2000538751 20000330

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

International Patent Class: G07G-001/14

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 18048

English Abstract

A promotional offer is made to customers who engage in transactions at a first point-of-sale (POS) terminal in a network of POS terminals. It is determined whether the offer is successful, and additional POS terminals may be selected to receive data indicative of the offer. The additional POS terminals may be selected before the offer is evaluated at the first POS terminal or may be selected after the evaluation (e.g., based on considerations determined prior to the evaluation). Data setting forth rules for carrying out the offer and one or more messages to be conveyed to customers in making the offer may be transmitted to the selected additional POS terminals. The process of evaluating the offer, selecting additional POS terminals to receive the offer, and transmitting the

necessary offer data to the additional POS terminals may be carried out in a central server associated with the POS network, and/or in one or more of the POS terminals.

#### French Abstract

On fait une offre promotionnelle a des clients qui realisent des transactions au niveau d'un premier terminal de point de vente (POS) dans un reseau de terminaux de POS. On determine si cette offre rencontre un succes, et on peut selectionner des terminaux de POS additionnels destines a recevoir des donnees indiquant cette offre. On peut selectionner ces terminaux additionnels avant que cette offre n'aie ete evaluee au niveau du premier terminal de POS, ou encore apres cette evaluation (fondee, par exemple, sur des considerations determinees avant cette evaluation). Des donnees formulant des regles permettant de mener a bien cette offre et un ou plusieurs messages a delivrer aux clients a l'occasion de cette offre peuvent etre transmis aux terminaux de POS additionnels selectionnes. Le processus d'evaluation de cette offre, la selection des terminaux de POS additionnels destines a recevoir cette offre, et la transmission des donnees de l'offre necessaires a ces terminaux de POS additionnels peuvent etre effectues dans un serveur central associe au reseau des POS, et/ou dans un ou plusieurs terminaux de POS.

#### Legal Status (Type, Date, Text)

Publication 20010301 A2 Without international search report and to be republished upon receipt of that report.  
Search Rpt 20010607 Late publication of international search report  
Republication 20010607 A3 With international search report.  
Republication 20010607 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.  
Examination 20010705 Request for preliminary examination prior to end of 19th month from priority date

8/5/7 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00766118 \*\*Image available\*\*

**REDEMPTION SYSTEMS AND METHODS WHEREIN A BUYER TAKES POSSESSION AT A RETAILER OF A PRODUCT PURCHASED USING A COMMUNICATION NETWORK**  
**SYSTEMES ET PROCEDES D'ENCAISSEMENT, LORS DE L'ENTREE EN POSSESSION PAR UN ACHETEUR, CHEZ UN DETAILLANT, D'UN PRODUIT ACHETE PAR L'INTERMEDIAIRE D'UN RESEAU DE TELECOMMUNICATIONS**

Patent Applicant/Assignee:

WALKER DIGITAL LLC, One High Ridge Park, Stamford, CT 06905, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

**WALKER Jay S** , 124 Spectacle Lane, Ridgefield, CT 06877, US, US  
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**MIK Magdalena**, 10 South New Street, Greenwich, CT 06830, US, US  
(Residence), US (Nationality), (Designated only for: US)

**VAN LUCHENE Andrew S**, 9 Greenwood Place, Norwalk, CT 06854, US, US  
(Residence), US (Nationality), (Designated only for: US)

**OTTO Jonathan**, Apartment 9A, 25 Forest Street, Stamford, CT 06901, US, US  
(Residence), US (Nationality), (Designated only for: US)

**LEVITAN Ian**, 42 Church Hill Avenue, Westmount, Quebec HY3 2Z9, CA, CA  
(Residence), CA (Nationality), (Designated only for: US)

**TEDESCO Daniel E** , 49 Kings Highway North, Westport, CT 06880, US, US  
(Residence), US (Nationality), (Designated only for: US)

**PACKES John M Jr** , 21 Frankford Street, Hawthorne, NY 10532-1950, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

**BUCKLEY Patrick J** (et al) (agent), Walker Digital Corporation, Five High Ridge Park, Stamford, CT 06905, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200079495 A2 20001228 (WO 0079495)

Application: WO 2000US16998 20000621 (PCT/WO US0016998)  
Priority Application: US 99337906 19990622; US 99388723 19990902  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Main International Patent Class: G06F-017/60  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 25866

English Abstract

French Abstract

L'invention concerne des systemes et procedes d'encaissement, lors de l'entree en possession d'un produit, par un acheteur, chez un detaillant. Le detaillant recoit des informations d'encaissement a partir de l'acheteur, tel qu'un pseudo code d'identification du paiement et il recoit egalement des informations de verification a partir d'un systeme d'achat, lesquelles informations lui permettent d'autoriser l'acheteur a prendre possession du produit. Le detaillant remet le produit a l'acheteur et recoit d'une partie differente de l'acheteur, un paiement en echange de la remise du produit a l'acheteur.

Legal Status (Type, Date, Text)

Publication 20001228 A2 Without international search report and to be republished upon receipt of that report.  
Examination 20010517 Request for preliminary examination prior to end of 19th month from priority date  
Declaration 20011108 Late publication under Article 17.2a  
Republication 20011108 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

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DIALOG(R)File 349:PCT FULLTEXT  
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00766080 \*\*Image available\*\*

**METHOD AND APPARATUS FOR CONDUCTING A TRANSACTION BASED ON BRAND INDIFFERENCE**  
**PROCEDE ET APPAREIL SERVANT A MENER UNE TRANSACTION BASEE SUR UNE INDIFFERENCE DE MARQUE**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:  
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Digital Corporation, Five High Ridge Park, Stamford, CT 06905, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200079456 A2 20001228 (WO 0079456)  
Application: WO 2000US16926 20000620 (PCT/WO US0016926)  
Priority Application: US 99337906 19990622; US 2000540214 20000331  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Main International Patent Class: G06F-017/60  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 28183

#### English Abstract

#### French Abstract

La presente invention concerne un procede et un appareil permettant a un client d'indiquer son indifference de marque a l'interieur d'une categorie de produit, puis de recevoir un avantage pour l'achat d'un produit choisi par un tiers dans cette categorie. Ce procede et cet appareil sont particulierement utiles afin de differentier entre des clients fideles ou sensibles a la marque ou des clients indifferents a la marque, et ils permettent au fabricants de pratiquer une discrimination en matiere de prix entre ces deux types de clients. Le procede comprend une etape durant laquelle une indication d'au moins un produit ou une categorie de service recherches est recue d'un client ou d'un autre acheteur potentiel, une etape durant laquelle est effectuee une selection d'au moins un produit ou service qui correspond au produit ou a la categorie de service indiques, une etape durant laquelle une indication du produit ou service selectionne est exposee au client ou a un autre acheteur potentiel ou a un dispositif utilise ou accessible par le client ou par un autre acheteur potentiel, une etape durant laquelle une indication est recue indiquant que le client ou un autre acheteur potentiel a effectivement achete, loue, pris en location avec bail, obtenu, etc. le produit ou le service, et une etape durant laquelle un avantage est donne au client ou a l'acheteur qui a effectivement achete, loue, pris en location avec bail, obtenu, etc. le produit ou le service choisi, ou a quelqu'un d'autre ou a une entite designee par le client ou a une autre personne ou entite.

#### Legal Status (Type, Date, Text)

Publication 20001228 A2 Without international search report and to be  
republished upon receipt of that report.  
Examination 20010607 Request for preliminary examination prior to end of  
19th month from priority date  
Declaration 20011115 Late publication under Article 17.2a  
Republication 20011115 A2 With declaration under Article 17(2)(a); without  
abstract; title not checked by the International  
Searching Authority.

00766044      \*\*Image available\*\*

METHODS AND APPARATUS WHEREIN A BUYER ARRANGES TO PURCHASE A FIRST PRODUCT USING A COMMUNICATION NETWORK AND SUBSEQUENTLY TAKES POSSESSION OF A SUBSTITUTE PRODUCT AT A RETAILER

PROCEDES ET SYSTEMES CONSISTANT POUR UN ACHETEUR A ACHETER UN PREMIER PRODUIT AU MOYEN D'UN RESEAU DE COMMUNICATION ET A PRENDRE ENSUITE POSSESSION D'UN PRODUIT DE SUBSTITUTION AU NIVEAU D'UN DETAILLANT

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200079416 A2 20001228 (WO 0079416)

Application: WO 2000US17000 20000621 (PCT/WO US0017000)

Priority Application: US 99337906 19990622; US 99412930 19991005

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 23156

English Abstract

Purchasing system methods and apparatus are provided wherein a buyer purchases a first product through a purchasing system, such as by submitting a buyer offer. A retailer receives product redemption information from a buyer, the product redemption information enabling the buyer to take possession of the first product. The retailer determines a substitute product to provide to the buyer, the substitute product being different than the first product. The determination may be based on information contained in the buyer offer, such as a product category, a product class and one or more product features.

French Abstract

Procedes et systemes d'achat consistant pour un acheteur a acheter un premier produit par l'intermediaire d'un systeme d'achat, tel que la soumission d'une offre d'achat. Un detailllant recoit de l'acheteur des informations concernant le rachat du produit et permettant a l'acheteur de prendre possession du premier produit. Le detailllant determine ensuite un produit de substitution destine a l'acheteur et different du premier produit. Cette determination peut etre basee sur des informations contenues dans l'offre de l'acheteur, telles qu'une categorie, une classe ou une ou plusieurs caracteristiques de produits.

Legal Status (Type, Date, Text)

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DIALOG(R) File 349:PCT FULLTEXT  
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00747123 \*\*Image available\*\*

**METHOD AND SYSTEM FOR THE PRESENTATION AND REDEMPTION OF REWARD OFFERS**  
**PROCEDE ET SYSTEME DE PRESENTATION ET D'ACQUISITION D'OFFRES**  
**PROMOTIONNELLES**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200060516 A2 20001012 (WO 0060516)

Application: WO 2000US8183 20000328 (PCT/WO US0008183)

Priority Application: US 99285201 19990401

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 18718

**English Abstract**

A system and method for conducting a retail transaction between a customer and a retailer. The retail transaction relates to a reward offer presented to the customer. The reward offer may be an offer for the sale of a reward product at a reward offer price. More than one reward offer may be presented to the customer. During an initiating transaction at a retail establishment, the customer provides an account identifier identifying a financial account to be charged. The account identifier and other transaction data are transmitted to a central server by a point of sale terminal. The central server determines a reward code that is transmitted to the point of sale terminal for presentation to the customer. The central server may store the reward code in association with the transaction data in a transaction database. The central server may also store one or more reward offers in association with the reward code and the account identifier in an outstanding reward offers database. The customer then enters the reward code to the central server via a website. In response to receiving the reward code from the customer, the central server retrieves the reward offers from the outstanding database. The reward offers may each have a rule associated therewith or may be valid only for a limited duration. The central server determines which reward offers are appropriate for presentation to the customer based on rules and/or time validity. The central server may also determine whether a reward product is available in inventory before presenting a reward offer to the customer. The customer transmits a customer response indicating acceptance or rejection of the reward offers. If a reward offer is accepted, the account identifier is retrieved, and an accepted

reward offer price is charged to the financial account associated with the customer. The customer may then return to the retail establishment to obtain the purchased reward product or products.

#### French Abstract

L'invention concerne un systeme et un procede permettant d'effectuer une transaction de detail entre un client et un revendeur. La transaction de detail concerne une offre promotionnelle presentee au client. Cette offre peut etre une offre de vente d'un produit promotionnel a un prix d'offre promotionnelle. Il est possible de presenter plusieurs offres promotionnelles a un client. Au cours de la transaction de lancement au niveau du magasin de detail, le client fournit un identificateur de compte identifiant un compte financier a debiter. L'identificateur de compte et d'autres donnees de transaction sont transmis a un serveur central au moyen d'un terminal de point de vente. Le serveur central determine un code de promotion qui est transmis au terminal du point de vente afin de le presenter au client. Il peut stocker le code de promotion avec les donnees de transaction dans une base de donnees. Il peut egalement stocker une ou plusieurs offre(s) promotionnelle(s) avec le code de promotion et l'identificateur de compte dans une base de donnees d'offres promotionnelles courante. Le client entre ensuite le code de promotion dans le serveur central via un site web. En reponse a la reception du code de promotion du client, le serveur central extrait les codes de promotion de la base de donnees courante. Les offres promotionnelles peuvent chacune posseder une regle associee ou peuvent etre valables pour une duree limitee. Le serveur central determine quelles offres promotionnelles conviennent a la presentation du client en fonction des regles et/ou du temps de validee. Il peut egalement determiner si un produit promotionnel est disponible avant sa presentation a un client. Le client transmet une reponse indiquant qu'il accepte ou qu'il rejette l'offre promotionnelle. S'il accepte l'offre promotionnelle, on extrait l'identificateur de compte, et le prix de l'offre promotionnelles acceptee est debite du compte financier associe au client. Il peut ensuite retourner au magasin de detail afin d'obtenir le ou les produits promotionnel(s) achete(s).

Legal Status (Type, Date, Text)

Publication 20001012 A2 Without international search report and to be republished upon receipt of that report.

Examination 20001123 Request for preliminary examination prior to end of 19th month from priority date

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DIALOG(R) File 349: PCT FULLTEXT

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00577736 \*\*Image available\*\*

#### SYSTEM AND METHOD FOR NEGATIVE RETROACTIVE DISCOUNTS

#### SYSTEME ET METHODE CONCERNANT DES PENALISATIONS RETROACTIVES SUR REMISES

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Patent Applicant/Inventor:

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BUCKLEY Patrick J (et al) (agent), Walker Digital Corporation,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200041109 A2 20000713 (WO 0041109)

Application: WO 99US28702 19991202 (PCT/WO US9928702)

Priority Application: US 98223903 19981231

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 16522

English Abstract

French Abstract

Cette invention concerne un systeme et une methode selon lesquels le client se voit accorder instantanement une remise a condition qu'il procede a d'autres achats ou, du moins, se comporte d'une maniere determinee. Le client doit se soumettre a cette obligation implicitement ou explicitement faite de quoi il s'expose a une penalite, dont un debit retroactif de son compte destine a amputer ou a supprimer la remise precedemment consentie. D'autres penalites sont envisageables. Ainsi, plutot que d'accorder un avantage dans l'espoir de fideliser le client a un magasin ou a une marque, un detailliant ou un vendeur peut, selon la presente invention, recuperer les frais consentis avec l'octroi dudit avantage au cas ou le client en question n'honorerait pas ses obligations. L'invention concerne un systeme d'offre de reduction selon lequel des remises assorties d'obligations sont proposees a des clients cibles et un systeme permettant de controler le bon respect de ses obligations par le client. L'invention concerne egalement un terminal concu pour s'acquitter de ces fonctions.

Legal Status (Type, Date, Text)

Declaration 20011227 Late publication under Article 17.2a

Republication 20011227 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

8/5/12 (Item 12 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00577735 \*\*Image available\*\*

**SYSTEM AND METHOD FOR ENCOURAGING COMPETITIVE PARTICIPATION IN AN AUCTION  
SYSTEME ET PROCEDE POUR ENCOURAGER LA PARTICIPATION CONCURRENTIELLE A UNE  
VENTE AUX ENCHERES**

Patent Applicant/Assignee:

WALKER DIGITAL LLC,  
WALKER Jay S,  
VAN LUCHENE Andrew S,  
TEDESCO Daniel E,

Inventor(s):

WALKER Jay S ,  
VAN LUCHENE Andrew S,  
TEDESCO Daniel E

Patent and Priority Information (Country, Number, Date):

Patent: WO 200041108 A1 20000713 (WO 0041108)

Application: WO 99US23901 19991014 (PCT/WO US9923901)

Priority Application: US 98223901 19981231

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ

MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ  
CF CG CI CM GA GN GW ML MR NE SN TD TG  
Main International Patent Class: G06F-017/60  
Publication Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 11034

English Abstract

In both an on-line and a conventional auction, an auctioneer may encourage competitive bidding behavior through the provision of rewards to those bidders whose bids meet predetermined criteria. For example, a bidder may be rewarded if her bid exceeds a prior bid by a threshold value. An auctioneer may further discourage non-competitive bidding behavior by penalizing those bidders whose bids fall below predetermined standards.

French Abstract

Dans une vente aux encheres aussi bien electronique que classique, un commissaire priseur peut encourager l'enchere concurrentielle en offrant une recompense aux enchereurs dont les encheres remplissent certaines conditions. Par exemple, un enchereur peut etre recompense si son enchere depasse une enchere anterieure, d'une valeur seuil. Un commissaire-priseur peut egalement encourager l'enchere non-concurrentielle en penalisant les enchereurs dont les encheres sont inferieures a des normes predeterminees.

8/5/13 (Item 13 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00576389 \*\*Image available\*\*

**PROMOTING SALE OF A SUBSTITUTE PRODUCT**  
**PROMOTION DE LA VENTE D'UN PRODUIT DE SUBSTITUTION**

Patent Applicant/Assignee:

WALKER DIGITAL LLC,  
WALKER Jay S,  
TEDESCO Daniel E,  
MIK Magdalena,

Inventor(s):

WALKER Jay S ,  
TEDESCO Daniel E ,  
MIK Magdalena

Patent and Priority Information (Country, Number, Date):

Patent: WO 200039762 A1 20000706 (WO 0039762)  
Application: WO 99US22650 19990929 (PCT/WO US9922650)  
Priority Application: US 98221099 19981228

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ  
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ  
CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G07G-001/00

International Patent Class: G06F-017/60

Publication Language: English

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 12538

English Abstract

A method for promoting the sale of a substitute product at the point of sale (POS) (110). At least one POS terminal communicates with a POS server (120) which in turn communicates with various manufacturer servers (140) to transmit information therebetween. Upon the presentation of an

original product for purchase by a consumer at a POS terminal, various manufacturers may decide to offer a substitute product to the consumer, prior to completing the purchase of the original product. As such, various manufacturers may offer promotional offers to encourage the buyer to favorably "switch" products. If the customer accepts the offer, the point of sale terminal completes the sale of the substitute product.

#### French Abstract

L'invention concerne la promotion de la vente d'un produit de substitution au point de vente (POS) (110). Un terminal POS, au moins, communique avec un serveur POS (120), qui, a son tour, communique avec divers serveurs fabricant (140), pour transmettre l'information entre eux. Des qu'un consommateur presente au terminal POS un produit original qu'il desire acheter, les divers fabricants peuvent decider d'offrir au client un produit de substitution, et ce, avant l'achevement de la vente du produit original. A ce titre, divers fabricants peuvent proposer des offres promotionnelles pour encourager l'acheteur a favorablement substituer les produits. Si le client accepte, le terminal de point de vente mene la vente du produit substitue a terme.

8/5/14 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00571468 \*\*Image available\*\*

#### CUSTOMER PROFIT SHARING CONDITIONAL PURCHASE OFFER (CPO) MANAGEMENT SYSTEM SYSTEME DE GESTION D'OFFRES D'ACHAT CONDITIONNELLES PAR INTERESSEMENT DES CLIENTS

Patent Applicant/Assignee:

PRICELINE COM INCORPORATED,

Inventor(s):

WALKER Jay S ,

CASE T Scott,

TEDESCO Daniel E

Patent and Priority Information (Country, Number, Date):

Patent: WO 200034841 A2 20000615 (WO 0034841)

Application: WO 99US28648 19991203 (PCT/WO US9928648)

Priority Application: US 98205666 19981204

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM

TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY

KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7790

#### English Abstract

A customer profit sharing conditional purchase offer (CPO) management system is disclosed for processing CPOs received from one or more buyers for a product. The system processes each received CPO to determine whether one or more sellers are willing to accept a given CPO. The customer profit sharing CPO management system is operated to share the profit that is earned from a given conditional purchase offer with the buyer by returning a portion of the profit to the buyer in the form a buyer discount. The buyer discount can be, for example, in the form of (i) a monetary discount to the current transaction, (ii) a **rebate**, or (iii) a coupon or credit that may be redeemed for a discount against future transactions.

#### French Abstract

L'invention concerne un systeme de gestion d'offres d'achat conditionnelles par interressement des clients, ce systeme etant destine a

traiter des offres d'achat conditionnelles provenant d'un ou de plusieurs acheteurs pour un produit. Le systeme traite chaque offre d'achat conditionnelle recue pour determiner si un ou plusieurs vendeurs sont prêts a accepter une offre d'achat conditionnelle donnee. Le systeme de gestion d'offres d'achat conditionnelles par interressement des clients permet de partager avec l'acheteur le benefice realise pour une offre d'achat conditionnelle donnee en rendant a l'acheteur une partie du benefice, sous forme de remise accordee a l'acheteur. La remise accordee a l'acheteur peut etre, par exemple, sous forme: (i) de remise de prix pour la transaction en cours; (ii) de rabais; ou (iii) de bon ou de credit pouvant etre echange contre une remise lors de transactions futures.

8/5/15 (Item 15 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00556589 \*\*Image available\*\*

**METHOD AND APPARATUS FOR DOCUMENTING CAP REMOVAL DATA**

**PROCEDE ET APPAREIL PERMETTANT DE DOCUMENTER DES DONNEES RELATIVES AU RETRAIT D'UN CAPUCHON**

Patent Applicant/Assignee:

WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,  
WALKER Jay S,  
JORASCH James A,  
PACKES John M Jr,

Inventor(s):

WALKER Jay S ,  
JORASCH James A ,  
PACKES John M Jr

Patent and Priority Information (Country, Number, Date):

Patent: WO 200019962 A2 20000413 (WO 0019962)  
Application: WO 99US21895 19990921 (PCT/WO US9921895)  
Priority Application: US 98164473 19981001

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ  
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ  
CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: A61J-001/00

Publication Language: English

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 8155

**English Abstract**

A method and apparatus is disclosed that documents and authenticates cap removal data. According to a first aspect of the present invention, the apparatus measures a parameter indicative of the number of times that a cap has been removed by a user. The apparatus also encodes at least the parameter indicative of the cap removal data, thereby deriving encoded cap removal data. The apparatus outputs the encoded cap removal data to a user. According to a second aspect of the present invention, another apparatus receives the encoded cap removal data and decodes it to authenticate the cap removal data.

**French Abstract**

L'invention concerne un procede et un appareil qui documente et valide des donnees relatives au retrait d'un capuchon. Selon un premier aspect de l'invention, l'appareil mesure un parametre indiquant le nombre de fois ou un utilisateur a retire le capuchon. Cet appareil code egalement au moins le parametre indiquant les donnees relatives au retrait d'un capuchon, ce qui permet de deduire des donnees codees. L'appareil envoie ces donnees codees a un utilisateur. Selon un second aspect de l'invention, un autre appareil recoit les donnees codees relatives au

retrait d'un capuchon et les decode afin les valider.

8/5/16 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00492244 \*\*Image available\*\*

**METHOD AND APPARATUS FOR ADMINISTERING A REWARD PROGRAM**

**PROCEDE ET DISPOSITIF D'ADMINISTRATION D'UN PLAN DE RECOMPENSES**

Patent Applicant/Assignee:

WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,

Inventor(s):

WALKER Jay S ,

VAN LUCHENE Andrew S,

JORASCH James A ,

ALDERUCCI Dean

Patent and Priority Information (Country, Number, Date):

Patent: WO 9923596 A1 19990514

Application: WO 98US22922 19981029 (PCT/WO US9822922)

Priority Application: US 97961964 19971031

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV

MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG

UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE

CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN

GW ML MR NE SN TD TG

Main International Patent Class: G06F-019/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9074

#### English Abstract

In accordance with the present invention, a central controller (12) stores a series of registrations (26), each of which corresponds to a purchaser of a product. The central controller calculates a measurement of product success (27), such as the number of products sold or the market share of the product. The central controller (12) determines if the measurement is within a predetermined range. For example, the central controller (12) may determine if the number of products sold exceeds a predetermined threshold. A selected set of registrations which are "early-adopter" registrations (30) are selected. The set of registrations thereby defines a set of early-adopter purchasers. For example, the central controller (12) may select a set of registrations having ordinal positions within a predetermined range of positions, such as the first hundred registrations. Thus, one hundred early-adopter purchasers are defined. If the measurement of product success is within the predetermined range, a reward (28), such as a refund or a free product, is provided to each early-adopter purchaser. For example, if sales of the product exceed 1,000,000 units, a reward is provided to each early-adopter purchaser.

#### French Abstract

Selon la presente invention, un controleur central (12) conserve une serie d'enregistrements (26) dont chacun correspond a un acheteur d'un produit. Le controleur central calcule une mesure (27) du succes du produit, a savoir, le nombre de produits vendus ou la part de marche du produit. Le controleur central (12) recherche si le resultat se situe dans une plage definie. Le controleur central (12) peut ainsi determiner si le nombre de produits vendus depasse un seuil defini. Un ensemble particulier d'enregistrements est l'ensemble des enregistrements (30) "adeptes precoces". Cet ensemble d'enregistrement definit en effet un ensemble d'acheteurs "adeptes precoces". Le controleur central (12) peut ainsi selectionner un ensemble d'enregistrements se situant, par leurs positions ordinales, dans une plage de position definie, par exemple les cent premiers enregistrements. On a ainsi defini une centaine d'acheteurs

"adeptes precoces". Si la mesure du succes du produit se situe dans une plage definie, une recompense (28) telle qu'une remise ou un produit gratuit est remise a chaque acheteur "adepte precoce". Ainsi, si les ventes du produit depassent 1.000.000 unites, une recompense peut etre remise a chaque acheteur adepte precoce.

8/5/17 (Item 17 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00488661 \*\*Image available\*\*

POINT-OF-SALE SYSTEM AND METHOD FOR THE MANAGEMENT OF GROUP REWARDS

SYSTEME DE POINT DE VENTE ET PROCEDE DE GESTION DE RECOMPENSES POUR GROUPES

Patent Applicant/Assignee:

WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,

Inventor(s):

WALKER Jay S ,

TEDESCO Daniel E ,

VAN LUCHENE Andrew S

Patent and Priority Information (Country, Number, Date):

Patent: WO 9920013 A2 19990422

Application: WO 98US21218 19981008 (PCT/WO US9821218)

Priority Application: US 97948144 19971009; US 98118414 19980717

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV

MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG

UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE

CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN

GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/60

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 10033

English Abstract

In a method and apparatus for managing a group reward program, a group of consumers is registered with a merchant as a shopping group. The apparatus includes a frequent shopper database (216), a reward rules database (218), a group status database (220) a CPU (210), and a network (104) of point-of-sale terminals (106, 108, 110).

French Abstract

Cette invention concerne un procede et un appareil permettant de gerer un programme de recompenses pour groupes. Un groupe de consommateurs est tout d'abord enregistre aupres d'un vendeur comme un groupe d'acheteurs. On encourage le groupe a acheter un minimum de produits ou de services a ce marchand en offrant une recompense de groupe. Le groupe peut ensuite recevoir le droit a une recompense apres avoir atteint un total d'achats minimal donne etabli par le vendeur. Ce total d'achats minimal peut etre determine en fonction des achats moyens du groupe dans son ensemble, en fonction des achats moyens de chaque membre du groupe, en fonction des achats individuels de chaque membre du groupe ou selon d'autres procedes analogues. Le total d'achats minimal peut en outre etre soumis a une limite dans le temps. Les achats du groupe sont controles par le reseau de terminaux de points de vente du vendeur. Les membres du groupe vont ainsi s'encourager les uns les autres a effectuer la quantite d'achats appropriee aupres du vendeur de maniere que ledit groupe puisse gagner la recompense. Le comportement du groupe va a son tour accroitre les ventes du vendeur.

8/5/18 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013507138     \*\*Image available\*\*  
WPI Acc No: 2000-679082/200066  
XRPX Acc No: N00-502740

**Competitive bidding rewarding method on-line auction, involves qualifying bidder to receive reward, when his bid is greater than that of remaining bids**

Patent Assignee: WALKER DIGITAL LLC (WALK-N)  
Inventor: **TEDESCO D E** ; VAN LUCHENE A S; **WALKER J S**  
Number of Countries: 087    Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200041108	A1	20000713	WO 99US23901	A	19991014	200066    B
AU 200012044	A	20000724	AU 200012044	A	19991014	200066

Priority Applications (No Type Date): US 98223901 A 19981231

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200041108	A1	E    46	G06F-017/60	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200012044    A                    G06F-017/60    Based on patent WO 200041108

Abstract (Basic): WO 200041108 A1

NOVELTY - The product for bidding is identified and the bid for product is received from a bidder, during auction session. When the bid from bidder is greater than that of remaining bids, it is determined whether the bidder is qualified to receive a reward, based on the reward rule. If the bidder is qualified, an indication is transmitted to the bidder.

DETAILED DESCRIPTION - The reward includes value of currency, supplement to bit, **rebate** on the product, amount of frequent flier miles, secondary product, service and warranty for the product, etc.

INDEPENDENT CLAIMS are also included for the following:

- (a) method of providing penalty to bidder;
- (b) method of participation in auction session;
- (c) apparatus for rewarding bidder;
- (d) apparatus for providing penalty to bidder;
- (e) program product

USE - For rewarding bidder in on line auction environment during sale of luxury items, antiques or high ticket items via LAN, WAN, internet, intranet, public telephone exchange system, etc.

ADVANTAGE - Encourages competitive bidding and discourages unreasonable bit submission by providing reward or penalty to bidder.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart illustrating the steps performed by auction server.

pp; 46 DwgNo 9/10

Title Terms: COMPETE; BID; METHOD; LINE; AUCTION; QUALIFY; RECEIVE; REWARD;  
BID; GREATER; REMAINING; BID

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

8/5/19            (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012702103     \*\*Image available\*\*  
WPI Acc No: 1999-508214/199942  
XRPX Acc No: N99-378727

**Transaction terms determining method for credit card transaction**

Patent Assignee: WALKER ASSET MANAGEMENT LP (WALK-N)

Inventor: JINDAL S K; **TEDESCO D E** ; **WALKER J S**

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5945653	A	19990831	US 97883308	A	19970626	199942 B

Priority Applications (No Type Date): US 97883308 A 19970626

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5945653	A	26	G06F-007/00	

Abstract (Basic): US 5945653 A

NOVELTY - The transaction request from a POS terminal includes the transaction amount, a function identifier and an account identifier. The data representing the link between the function identifier and the transaction is recorded. Consequently, an authorization code is transmitted to the POS terminal in response to the request.

DETAILED DESCRIPTION - The account identifier included in the transaction request corresponds to an account. Similarly, function identifier corresponds to the operation defining special purchase terms. The operation represents application of discount amount, percentage discount, special interest arrangement or a period of reduced payment. INDEPENDENT CLAIMS are also included for the following:

- (a) method for identifying the terms of a transaction at a point-of-sale;
- (b) method for processing a card holder message;
- (c) credit card central controller for determining terms of transaction;
- (d) credit card central controller for processing card holder message;

- (e) POS terminal for identifying terms of transaction at POS

USE - For credit card account and transactions.

ADVANTAGE - Functions such as discounts, **rebates**, special interest rate incentives are established for the benefit of credit card issuers, merchant and customers. The merchant offers customers a variety of financing options on an ad hoc basis. The established functions can be executed through use of function identifiers. The functions are executed utilizing conventional POS and credit card transaction processing systems.

DESCRIPTION OF DRAWING(S) - The figure illustrates the flowchart explaining the process of executing functions within a credit card processing system.

pp; 26 DwgNo (7A, 7B)/9

Title Terms: TRANSACTION; TERM; DETERMINE; METHOD; CREDIT; CARD; TRANSACTION

Derwent Class: T01

International Patent Class (Main): G06F-007/00

File Segment: EPI

File 347:JAPIO Oct 1976-2002/Apr(Updated 020805)

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File 350:Derwent WPIX 1963-2002/UD,UM &UP=200255

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Set	Items	Description
S1	2628695	IDENTIF? OR DETECT? OR FOUND? OR FIND? OR DISCOVER? OR RECOGNITION????? OR DETERMIN? OR DISCERN? OR UNCOVER?
S2	16527	REBATE? OR PRIZE? OR AWARD?
S3	1283502	MANUFACTUR? OR PRODUCER? OR MAKER? OR FABRICATOR? OR CREATOR? OR BUILDER? OR CONSTRUCTOR?
S4	2349447	FIRST? OR INITIAL OR INITIALLY OR PRECED? OR LEAD OR LEADING
S5	1668906	SECOND OR 2ND OR POS OR POINT(3W) (SALE OR SERVICE OR PURCHASE) OR EPOS OR POP OR POS
S6	2610898	CONTINGEN? OR QUALIFY? OR QUALIFIED OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTER?
S7	47206	DISCOUNT OR COUPON? OR VOUCHER? OR (PRICE OR EXPENSE? OR FEE OR FEES OR CHARG? OR RATE OR RATES OR OUTLAY?) (2N) (ABATE? OR CONCESSION? OR REDUC? OR DEDUCT? OR SET(1W)OFF OR BREAK?)
S8	1446226	IMMEDIATE? OR INSTANT? OR PROMPT? OR CURRENT? OR NOW OR PRESENT OR PRESENTLY
S9	6122966	LESS? OR REDUC? OR DECREAS? OR LOWER? OR DIMINISH? OR CUT - OR CUTTING OR SCALE?()BACK OR MINIMI? OR SMALLER OR FEWER OR - DECLIN? OR SHORTEN? OR CONTRACTED OR LIMIT? OR DOWNGRAD? OR DEFLAT? OR ABAT? OR FALL?
S10	1174352	FUTURE OR DEFERRED OR DEFERRING OR DELAY? OR POSTPON? OR LATER OR FOLLOWING OR SUBSEQUENT? OR NEXT
S11	256	S1 AND S2 AND S4 AND S5 AND S6
S12	0	S11 AND S7 AND S8 AND S9 AND S10
S13	0	(S1 AND S4 AND S5) (5N) (S2(5N)S3)
S14	0	(S1 AND S4 AND S5) (S) (S2(5N)S3)
S15	0	(S2(5N)S3) AND ((S5(5N)S6) OR (S7(5N) (S8 OR S9)))
S16	43	(S2(5N)S3)
S17	219	S2 AND ((S5(5N)S6) OR (S7(5N) (S8 OR S9)) OR (S4(5N)S10))
S18	49	(S1(5N)S2) AND ((S5(5N)S6) OR (S7(5N) (S8 OR S9)) OR (S4(5N)S10))
S19	49	S18 NOT S16
S21	3	S2(S) (S5 AND S6 AND S7 AND S8)
S22	57	((S2 OR S7) (5N)S5) (S) (S8 AND S9)
S23	57	S22 NOT (S16 OR S18 OR S21)
S24	5	S23 AND IC=G06F?
S25	49612	REBATE? OR S7
S26	33112	MANUFACTURER? OR PRODUCER? OR MAKER? OR FABRICATOR? OR CREATOR? OR BUILDER? OR CONSTRUCTOR? OR OEM
S27	528	(S1(5N)S25) AND (S5 OR S6) AND (S8 OR S9)
S28	2375422	(S1(5N)S25) AND S5 AND S6 AND S8 OR S9
S29	8	(S1(5N)S25) AND S5 AND S6 AND S8 AND S9

16/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07106401 \*\*Image available\*\*  
SPECIAL PRIZE DISTRIBUTION SYSTEM AND METHOD FOR OPERATING THE SAME IN GAME  
PARLOR SUCH AS PACHINKO PARLOR

PUB. NO.: 2001-334058 [JP 2001334058 A]  
PUBLISHED: December 04, 2001 (20011204)  
INVENTOR(s): ISOMURA EIJI  
MITSUI MICHIO  
APPLICANT(s): ISCG KK  
APPL. NO.: 2000-195292 [JP 2000195292]  
FILED: May 26, 2000 (20000526)  
INTL CLASS: A63F-007/02; G06K-019/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To prevent a fraud by a forgery of a special prize, robbery of cash at a prize exchange office, and robbery of cash and special prizes during transport of prizes and cash.

SOLUTION: The system using special prizes stored in a container fitted with a storage medium that can be occasionally read and written can judge whether a special prize is a forgery or not by reading out identification information of special prizes written in the storage medium with information reading and writing devices of storage mediums fitted to the special prizes that are connected to a main server managed by a system management corporation and installed in **prize manufacturing** facilities, places and game arcades specified a plurality of prize distributors, and prize purchase facilities and can prevent a fraud using a forged special prize. Commissioned by the plurality of prize distributors, transporters transport the special prizes and cash by transportation vehicles fitted with special equipment and can prevent robbery of cash and secure the safety of prize and cash transport.

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16/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07015296 \*\*Image available\*\*  
PROCESS CONTROL SYSTEM

PUB. NO.: 2001-242924 [JP 2001242924 A]  
PUBLISHED: September 07, 2001 (20010907)  
INVENTOR(s): SAKAGUCHI YOSHIFUMI  
ARAKAWA TAKESHI  
APPLICANT(s): NEC CORP  
NEC ROBOTICS ENG LTD  
APPL. NO.: 2000-049131 [JP 200049131]  
FILED: February 25, 2000 (20000225)  
INTL CLASS: G05B-019/418; G06F-017/60

#### ABSTRACT

PROBLEM TO BE SOLVED: To easily generate a manufacturing schedule comprising a plurality of work processes at intermediate stages.

SOLUTION: At an input part 1, an award information is inputted and an instruction for generating a **manufacture** schedule of an **award** item is inputted. The inputted award information is temporarily stored in an award information temporary storage part 2. At a display part 5, a specified screen is displayed which is required for generating the **manufacture** schedule for the **award** item from a standard **manufacture** process for various items. A standard manufacture process list is stored in a database 3. At a manufacture schedule generating part 4, correction is made on a

screen for generating a **manufacture** schedule of the **award** item, depending on a **manufacture** condition information for the **award** item that the award information indicates, based on such standard **manufacturing** process for the exact **award** item or similar one as contained in a standard manufacture schedule which is acquired from the standard manufacture schedule list read out of the database 3 to be displayed on the display part 5. A control part 6 controls the manufacture schedule generating part 4 based on the instruction signal.

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16/5/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06978855 \*\*Image available\*\*  
CAP WITH MARK FOR PRIZE

PUB. NO.: 2001-206427 [JP 2001206427 A]  
PUBLISHED: July 31, 2001 (20010731)  
INVENTOR(s): YAMAMOTO TOSHIO  
FUKUDA KOJI  
APPLICANT(s): DAIWA CAN CO LTD  
APPL. NO.: 2000-020189 [JP 200020189]  
FILED: January 28, 2000 (20000128)  
INTL CLASS: B65D-051/24

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a cap made of a composite material comprising an external surface of a top of a resin cap coated with a shell made of a thin metal plate wherein the cap can be simply and inexpensively **manufactured**, and a mark for a **prize** for sales promotion can be applied on an internal surface of the top of the cap without causing print ink to solve into a content liquid.

SOLUTION: The cap 1 made of the composite material comprising the cap 2 integrally molded of a synthetic resin material with the external surface of the top of the cap 2 coated with the shell 3 of the thin metal plate has the mark 35 for a prize made by printing applied on the internal surface of a top plate 31 of the metallic shell 3, while the mark 35 is covered with a synthetic resin material 21 so that the mark 35 can be transparently viewed.

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16/5/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06358392 \*\*Image available\*\*  
PACHINKO MACHINE

PUB. NO.: 11-300001 [JP 11300001 A]  
PUBLISHED: November 02, 1999 (19991102)  
INVENTOR(s): SAHASHI TOMOYASU  
SENGUCHI YOSHITAKE  
APPLICANT(s): OKUMURA YUKI KK  
APPL. NO.: 10-112336 [JP 98112336]  
FILED: April 22, 1998 (19980422)  
INTL CLASS: A63F-007/02; A63F-007/02

#### ABSTRACT

PROBLEM TO BE SOLVED: To make accurately discoverable the presence of pachinko balls in the prize ball delivery device, reduce the number of parts, and reduce the **manufacturing** cost of a **prize** ball-delivery device.

SOLUTION: A BC screw 26 is mounted on a stepping motor 25 to be located almost at an outlet of a ball path 28. Spiral protrusions 26B are formed counterclockwise in the circumferential surface portion on the outlet side of the BC screw 26. The spiral protrusion 26B is formed at a height of about 1.5 pitch, one pitch of which is equivalent to the length of the diameter of a pachinko ball 41. A ball housing part is so formed that the pachinko balls 41 are housed by a space between the spiral protrusions 26B and each angular groove part. A ball detection sensor is mounted between a position near the side of an inlet of the spiral protrusion 26B as upper limit 40A and a position near the side of an outlet of the spiral protrusion 26B as lower limit 40B.

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16/5/5 (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05973860 \*\*Image available\*\*  
MANAGEMENT TAG SYSTEM FOR CASH EXCHANGE SPECIAL PRIZE

PUB. NO.: 10-256960 [JP 10256960 A]  
PUBLISHED: September 25, 1998 (19980925)  
INVENTOR(s): KANEDA YUSUKE  
TSUDA SHOICHI  
SUMIYA SUKENORI  
APPLICANT(s): UTSUMI DENKI KK [000000] (A Japanese Company or Corporation),  
JP (Japan)  
AZU BUREIN KK [000000] (A Japanese Company or Corporation),  
JP (Japan)  
SYST DENSHI SEKKEI KK [000000] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 09-100739 [JP 97100739]  
FILED: March 12, 1997 (19970312)  
INTL CLASS: [6] H04B-005/00; A63F-007/02; A63F-007/02; G06K-017/00  
JAPIO CLASS: 44.2 (COMMUNICATION -- Transmission Systems); 30.2  
(MISCELLANEOUS GOODS -- Sports & Recreation); 45.3  
(INFORMATION PROCESSING -- Input Output Units)  
JAPIO KEYWORD:R002 (LASERS); R057 (FIBERS -- Non-woven Fabrics)

ABSTRACT

PROBLEM TO BE SOLVED: To obtain a management tag system for a cash exchange special prize whose alteration is made difficult by using a management tag in which an antenna is not provided with a power source, and a data part equipped with an integrated circuit for an ID which can operate by changing from a specific antenna coil is installed at pedestal.

SOLUTION: A management tag 1 is attached in a cash exchange special prize, and delivered in a cash exchange special **prize manufacturing** company. The ID number of a pin ball shop at each destination of transaction is inputted to an integrate circuit 2b for an ID of the management tag 1 in each kind (each denomination) of ash exchange special prize by using a read/write equipment, and delivered in each pin ball shop. In this case, the management tag 1 is attached in the cash exchange special prize so that the management tag 1 can not be seen from the outside, and security can be improved. Also, the integrated circuit 2b is not provided with a power source so that data such as the ID number is not identified unless charging is operated from a specific antenna coil, and alteration is made difficult.

16/5/6 (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2002 JPO & JAPIO. All rts. reserv.

3651 \*\*Image available\*\*  
TECTING SWITCH FITTED TO PRIZE BALL TANK

PUB. NO.: 10-066751 [JP 10066751 A]  
PUBLISHED: March 10, 1998 (19980310)  
INVENTOR(s): MIYAZAKI HIDEO  
KOYAMA HIROYUKI  
APPLICANT(s): SHIYUUKOU DENSHI KK [486588] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 09-037614 [JP 9737614]  
FILED: February 21, 1997 (19970221)  
INTL CLASS: [6] A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation); 14.2 (ORGANIC CHEMISTRY -- High Polymer Molecular Compounds)

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a ball detecting switch having good performance and little failure at a low manufacturing cost by integrally injection-molding a moving plate and a thin case main body with a conductive synthetic resin, and installing a detecting element in the thin case main body.

SOLUTION: This ball detecting switch body B opens or closes a moving plate (b) in response to the presence or absence of external pressure to a ball, operates a detecting element in a case main body (a) with its operation piece, and supplies the ball from a ball supply device. The thin case main body (a) and the moving plate (b) connected to it by a hinge section 1 are integrally injection-molded with a conductive synthetic resin to form a ball detecting switch fitted to a **prize** ball tank, and its **manufacture** is very simple. The moving plate (b) is rotated via the flexible thin hinge section 1 in particular, and the hinge section 1 has a simple structure and little failure. Since the case main body (a) and the moving plate (b) are integrally injection-molded with the synthetic resin, a product can be obtained at a low cost.

16/5/7 (Item 7 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 2002 JPO & JAPIO. All rts. reserv.

05143436 \*\*Image available\*\*  
MECHANISM PLATE OF PINBALL GAME MACHINE

PUB. NO.: 08-098936 [JP 8098936 A]  
PUBLISHED: April 16, 1996 (19960416)  
INVENTOR(s): UGAWA SHOHACHI  
APPLICANT(s): SANKYO KK [470675] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 07-271964 [JP 95271964]  
FILED: September 25, 1995 (19950925)  
INTL CLASS: [6] A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)

#### ABSTRACT

PURPOSE: To provide a mechanism plate of a pinball game machine including a prize winning ball collecting gutter, by which prize winning balls can be forced to flow smoothly, a jam of balls can be prevented, and further the prize winning balls can be aligned in a line in the base part.

CONSTITUTION: Among a rear face wall 157, a base part 158 and a front wall 159 which form a first prize winning ball collecting gutter 156, the rear face wall 157 and the base part 158 are integrally formed, and the front wall 159 is separately formed and assembled thereto, so that it is possible to **manufacture** a box-shaped first **prize** winning ball collecting gutter 156 with the top opened very simply. Further, even in the case where the first prize winning ball collecting gutter 156 is contaminated or worn away to deteriorate flowing of prize winning balls, smooth flow-down of prize winning balls can be performed again by replacing the front wall 159, or moving the front wall 159 to simply clean the gutter.

16/5/8 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2002 JPO & JAPIO. All rts. reserv.

03388169 \*\*Image available\*\*  
VARYING PRIZE DEVICE FOR PACHINKO (JAPANESE PINBALL) MACHINE

PUB. NO.: 03-051069 [JP 3051069 A]  
PUBLISHED: March 05, 1991 (19910305)  
INVENTOR(s): KATO YUJI  
APPLICANT(s): NIPPON PACHINKO BUHIN KK [000000] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 01-187130 [JP 89187130]  
FILED: July 19, 1989 (19890719)  
INTL CLASS: [5] A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JOURNAL: Section: C, Section No. 832, Vol. 15, No. 193, Pg. 162, May 17, 1991 (19910517)

#### ABSTRACT

PURPOSE: To **manufacture** a varying **prize** device with a simple structure at a low cost and make a special prize port easy or hard to enter for driven balls by erecting or tilting movable pieces with driven balls entering a receiving port, and varying the capturing range of driven balls entering the receiving port.

CONSTITUTION: When a driven ball enters the receiving port and between erected movable pieces 181 and 181 of a special prize port 18, the driven ball is brought into contact with the ball coupling piece 184 of a rotor 183 and rotates the rotor 183 by the preset angle, then it passes downward to become a winning ball. A portion 186 with no coupling face 185 is faced to insides of movable pieces 181 and 181, and movable pieces 181 and 181 lose their supports and are tilted by the tare weight. The receiving port of the special prize port 18 is expanded, and the winning probability of the special prize port 18 is increased. When a driven ball enters between tilted movable pieces 181 and 181, it is connected to the ball coupling piece 184, movable pieces 181 and 181 are erected and held, the interval between movable pieces 181 and 181 is narrowed, thus the winning probability is decreased. The special prize port 18 can be made easy or hard to enter for driven balls

16/5/9 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

014606097 \*\*Image available\*\*  
WPI Acc No: 2002-426801/200245  
XRPX Acc No: N02-335603

**Promotion method for sale of goods and services of participating manufacturers and service providers by awarding cash rebates to member customers**

Patent Assignee: LOYALTY CLUB INC (LOYA-N)  
Inventor: IRVING P J  
Number of Countries: 098 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200237303	A2	20020510	WO 2001CA1566	A	20011102	200245 B

Priority Applications (No Type Date): US 2000245191 P 20001103

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200237303	A2	E	13	G06F-017/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA



Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Abstract (Basic): WO 200237303 A2

NOVELTY - The method involves enlisting customers to become a member by recording identifying information concerning the customer. The packaging of goods of participating manufacturers or promotional material for services of service providers is marked with a distinctive indicator or mark. Upon purchase of marked goods or services the customer is provided with a unique rebate voucher. The voucher comprises information identifying the product or service with which it is associated.

DETAILED DESCRIPTION - The applicable rebate is calculated. The rebate is paid to the customer. The manufacturer or service provider is charged an amount reflecting the rebate value. Re-use of the voucher is prevented.

An INDEPENDENT CLAIM is included for a system of promoting the sale of goods or services of participating manufactures or service providers.

USE - For marketing programs with reward incentives.

ADVANTAGE - Stimulates customer loyalty by combining customer incentives with rebate reward incentives.

DESCRIPTION OF DRAWING(S) - The figure shows the system.

Manufacturers (12)

Service providers (14)

Consumers. (16)

pp; 13 DwgNo 1/4

Title Terms: PROMOTE; METHOD; SALE; GOODS; SERVICE; PARTICIPATING;  
MANUFACTURE; SERVICE; AWARD; CASH; REBATE; MEMBER; CUSTOMER

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

16/5/10 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014604306 \*\*Image available\*\*

WPI Acc No: 2002-425010/200245

XRPX Acc No: N02-334152

**Payment distribution system for business to business applications, sends payment request having payee's unique transaction code to payer through internet to digitally deposit payment to payee**

Patent Assignee: HAUSER E A (HAUS-I); KELLER J F (KELL-I)

Inventor: HAUSER E A; KELLER J F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020032650	A1	20020314	US 2000205991	P	20000519	200245 B
			US 2001861911	A	20010521	

Priority Applications (No Type Date): US 2000205991 P 20000519; US  
2001861911 A 20010521

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020032650	A1	27	G06F-017/60	Provisional application	US 2000205991

Abstract (Basic): US 20020032650 A1

NOVELTY - A unique transaction code is assigned to a payee through internet. A payment request including the assigned transaction code is sent to a payer by the payee, through internet, so that the payment is made into the bank account associated with the payee using an electronic data link.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Payment distribution method;

(b) Screening method of rebate redemption for potential fraud

USE - For distributing rebates, refunds, pay-roll dollars and sales commission payment within a sales organization and reselling network, in business to business applications and business to individual customer applications.

ADVANTAGE - The automation of the distribution system keeps the cost per transaction extremely low. The system can accommodate small payments as well as large payments and hence used to distribute very small rebates or micro payments. The distribution system provides cost benefits to retailers, manufacturers and consumers. The consumers find it easier and faster to redeem their **rebate**. The **manufacturers** benefit from the elimination of the cost of mailing a paper check. The retailers benefit by improving customer satisfaction, thereby provides increased opportunity for marketing and sales. The system reduces errors in transactions and it can be implemented anywhere on the globe.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart illustrating payment distribution method.

pp; 27 DwgNo 2/17

Title Terms: PAY; DISTRIBUTE; SYSTEM; BUSINESS; BUSINESS; APPLY; SEND; PAY; REQUEST; UNIQUE; TRANSACTION; CODE; PAY; THROUGH; DIGITAL; DEPOSIT; PAY  
Derwent Class: T01; T05; W01  
International Patent Class (Main): G06F-017/60  
File Segment: EPI

16/5/11 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014584716 \*\*Image available\*\*

WPI Acc No: 2002-405420/200243

XRPX Acc No: N02-318281

Gaming award notice e.g. for computer Wide Area Networks, employs wide area network to inform prospective players of gaming devices, potential awards, promotions and contests

Patent Assignee: CASINO DATA SYSTEMS (CASI-N)

Inventor: WEISS S A

Number of Countries: 096 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200233640	A1	20020425	WO 2001US27762	A	20011012	200243 B
AU 200196237	A	20020429	AU 200196237	A	20011012	200255

Priority Applications (No Type Date): US 2000687769 A 20001013

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200233640 A1 E 23 G06F-019/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200196237 A G06F-019/00 Based on patent WO 200233640

Abstract (Basic): WO 200233640 A1

NOVELTY - Wide area network provides information with respect to casino properties and **manufacturers** including information with respect to **awards**, prizes, promotions, tournaments and the like to enable a player an independent source of information with respect to both different modes of entertainment that are available once one attends a casino property and the means by which an award, prize, etc. is to be pursued.

DETAILED DESCRIPTION - INDEPENDENT CLAIM included for the following:gaming system

USE - For computer Wide Area Networks.

ADVANTAGE - Allows past, present and future players of the gaming devices an overview of the gaming system, particularly keeping track of

a universe of prizes to be earned or awarded as gifts as well as requirements in order to attain same.

DESCRIPTION OF DRAWING(S) - The diagram shows the system incorporating a gaming machine preceded by viewing the universe potential awards, prizes and gifts.

pp; 23 DwgNo 4/5

Title Terms: GAME; AWARD; NOTICE; COMPUTER; WIDE; AREA; NETWORK; EMPLOY;  
WIDE; AREA; NETWORK; INFORMATION; PROSPECTING; PLAY; GAME; DEVICE;  
POTENTIAL; AWARD; CONTEST

Derwent Class: T01; W04

International Patent Class (Main): G06F-019/00

File Segment: EPI

16/5/12 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014561372 \*\*Image available\*\*

WPI Acc No: 2002-382075/200241

XRFX Acc No: N02-299047

Television program guide has rectangular pages that are bound between front and rear cover and viewable when front cover is opened, such that first are last page are closest to front and rear cover

Patent Assignee: WILEN R (WILE-I)

Inventor: WILEN R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020043799	A1	20020418	US 97855603	A	19970513	200241 B

Priority Applications (No Type Date): US 97855603 A 19970513

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020043799	A1	7	B42D-015/00	

US 20020043799 A1 7 B42D-015/00

Abstract (Basic): US 20020043799 A1

NOVELTY - Multiple rectangular pages (3) are bound between a front and rear cover (1,2) and viewable when the front cover is opened. The lateral dimension of the last page is larger than the preceeding page, such that first page and last page are respectively close to the front and rear cover.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method for manufacturing a television program guide.

USE - Television program guide.

ADVANTAGE - Offers television program guide which promotes special interest to specific or desired movies, sports, special, series or news program. Attains optimum television viewing pleasure and ensures high-speed access to television schedule information. Provides chronological sequence of programs to diverse interest and taste. Offers improved program guide that is simple and cost effective to manufacture to offer affordable prize to consumers, thus promotes commerce.

DESCRIPTION OF DRAWING(S) - The figure is a television program guide.

Front and rear cover (1,2)

Rectangular pages (3)

pp; 7 DwgNo 1/1

Title Terms: TELEVISION; PROGRAM; GUIDE; RECTANGLE; PAGE; BOUND; FRONT;  
REAR; COVER; VIEW; FRONT; COVER; OPEN; FIRST; LAST; PAGE; CLOSELY; FRONT;  
REAR; COVER

Derwent Class: P76

International Patent Class (Main): B42D-015/00

File Segment: EngPI

16/5/13 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014519036

WPI Acc No: 2002-339739/200237

XRPX Acc No: N02-267166

**Internet vehicle purchasing by using e-commerce company evaluating  
vehicle environmental performance criteria**

Patent Assignee: MATTICK W O (MATT-I); RANKA L I (RANK-I)

Inventor: MATTICK W O; RANKA L I

Number of Countries: 095 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200219230	A1	20020307	WO 2001US27311	A	20010831	200237 B
AU 200188649	A	20020313	AU 200188649	A	20010831	200249

Priority Applications (No Type Date): US 2000653555 A 20000901

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200219230	A1	E	77	G06F-017/60	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200188649	A			G06F-017/60	Based on patent WO 200219230
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Abstract (Basic): WO 200219230 A1

NOVELTY - Method consists in identifying cars and light trucks, establishing an e-commerce company for their environmental performance evaluation using a rating system based on QA data deriving a rating algorithm, obtaining the data over the Internet from government and private sector sources, and processing it to find the most environmentally sensitive vehicles. **Awards** are presented to **manufacturers** to recognize their environmental friendliness, and results are advertised to enable consumer selection of vehicles by make and model.

DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS for (1) a method of increasing automotive business web site hits, (2) a method of reducing automotive industry environmental impact.

USE - Method is for enabling purchasers to make vehicle selections based on certain environmental criteria.

pp; 77 DwgNo 0/6

Title Terms: VEHICLE; PURCHASE; COMPANY; EVALUATE; VEHICLE; ENVIRONMENT; PERFORMANCE; CRITERIA

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

16/5/14 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014515788

\*\*Image available\*\*

WPI Acc No: 2002-336491/200237

XRPX Acc No: N02-264851

**Pachinko prize exchange method in pachinko parlor involves delivering  
prize to destination specified by user in exclusive card at pachinko  
parlor**

Patent Assignee: TSUIN BADO KOGYO KK (TSUI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002102509	A	20020409	JP 2000300609	A	20000929	200237 B

Priority Applications (No Type Date): JP 2000300609 A 20000929

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 2002102509 A 7 A63F-007/02

Abstract (Basic): JP 2002102509 A

NOVELTY - The visitor selects a prize from a menu pamphlet and enters in an exclusive card and also enters the destination where the prize has to be sent. The pachinko parlor passes the card to the **manufacturer** of the **prizes** who delivers the prize to the destination as specified in the card.

USE - For prize distribution from pachinko parlor as per the wish of the visitor.

ADVANTAGE - The prize won by the visitor can also be delivered as a gift to someone else like a friend. Provides a variety of choices for selecting the prize. The prize goods are also displayed as samples in the parlor enabling the visitor to select the prize easily. Reduces burden on the pachinko parlor operations as the prize distribution is taken care by the manufacturer.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of pachinko prize exchange method. (Drawing includes non-English language text).

pp; 7 DwgNo 1/1

Title Terms: PRIZE; EXCHANGE; METHOD; PARLOUR; DELIVER; PRIZE; DESTINATION; SPECIFIED; USER; EXCLUDE; CARD; PARLOUR

Derwent Class: P36

International Patent Class (Main): A63F-007/02

File Segment: EngPI

16/5/15 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014512779 \*\*Image available\*\*

WPI Acc No: 2002-333482/200237

XRPX Acc No: N02-262019

**Prize application support system provides application to prize comprising advertisement objective and purchase volition promotion, to customer through internet**

Patent Assignee: NEPRO JAPAN KK (NEPR-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002007629	A	20020111	JP 2000189344	A	20000623	200237 B

Priority Applications (No Type Date): JP 2000189344 A 20000623

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 2002007629 A 9 G06F-017/60

Abstract (Basic): JP 2002007629 A

NOVELTY - A **manufacturer** terminal (P2) provides application to **prize**, comprising advertisement objective and purchase volition promotion of goods, to customer's cellular phone (P1) through internet.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for prize application support method.

USE - Internet based prize application support system.

ADVANTAGE - As application to prize is provided to customer through internet without filling individual information of customer, labor saving is enhanced. Simplifies prize application.

DESCRIPTION OF DRAWING(S) - The figure shows the entire block diagram of the components of the prize application support system. (Drawing includes non-English language text).

Customer's cellular phone (P1)

Manufacturer terminal (P2)

pp; 9 DwgNo 1/9

Title Terms: PRIZE; APPLY; SUPPORT; SYSTEM; APPLY; PRIZE; COMPRISE; ADVERTISE; OBJECTIVE; PURCHASE; PROMOTE; CUSTOMER; THROUGH

Derwent Class: T01

International Patent Class (Main): G06F-017/60  
File Segment: EPI

16/5/16 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014371191 \*\*Image available\*\*  
WPI Acc No: 2002-191894/200225  
Related WPI Acc No: 2000-591320  
XRPX Acc No: N02-145538

Prize-winning device for game machine, has solenoid and plunger for  
displacing blocking protrusion to game ball passage allowance position  
and to game ball passage blocking position of prize-winning opening

Patent Assignee: TOYOMARU SANGYO KK (TOYO-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001353280	A	20011225	JP 9941092	A	19990219	200225 B
			JP 2001134440	A	19990219	

Priority Applications (No Type Date): JP 9941092 A 19990219; JP 2001134440  
A 19990219

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001353280	A		12	A63F-007/02	Div ex application JP 9941092

Abstract (Basic): JP 2001353280 A

NOVELTY - A solenoid (41) and a plunger (42) operate the opening  
and closing units (31a) of a prize-winning opening (30), and displace  
the blocking protrusion (45). The protrusion is moved to a position  
permitting the game ball to move towards the ball path (26) of a  
start-up opening (20), when prize-winning opening is closed, and to a  
position permitting the game ball to the prize-winning opening.

USE - Prize-winning device of game machine such as pachinko  
machine.

ADVANTAGE - Provides a simple and economical game machine having  
several interlocked prize-winning openings by linking prize-winning  
openings using a single solenoid. Eliminates the need for a complicated  
mechanism for interlocking the prize-winning opening, and thereby  
reduces manufacturing cost.

DESCRIPTION OF DRAWING(S) - The figure shows a sectional view of  
the prize-winning device.

Start-up opening (20)

Ball path (26)

Prize-winning opening (30)

Opening and closing units (31a)

Solenoid (41)

Plunger (42)

Blocking protrusion (45)

pp; 12 DwgNo 4/11

Title Terms: PRIZE; WINNING; DEVICE; GAME; MACHINE; SOLENOID; PLUNGE;  
DISPLACE; BLOCK; PROTRUDE; GAME; BALL; PASSAGE; ALLOW; POSITION; GAME;  
BALL; PASSAGE; BLOCK; POSITION; PRIZE; WINNING; OPEN

Derwent Class: P36; T05; W04

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

16/5/17 (Item 9 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014297133 \*\*Image available\*\*  
WPI Acc No: 2002-117836/200216  
XRPX Acc No: N02-088121

Electrical decoration assembly for pachinko game machine, includes

**attachment substrate, whose inner edge is integrally coupled with prize winning openings and lenses on front surface of substrate**

Patent Assignee: ARUZE KK (ARUZ-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001300008	A	20011030	JP 2000121190	A	20000421	200216 B

Priority Applications (No Type Date): JP 2000121190 A 20000421

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001300008	A		8	A63F-007/02	

Abstract (Basic): JP 2001300008 A

NOVELTY - A control circuit board (3) is attached to back side of attachment substrate (1). A housing enclosing several light emitting diodes, is provided on back side of substrate. Prize winning openings (13a,13b,14a,14b) are provided integrally on inner edge of substrate. Several lenses (2A-2C) are provided on front surface of substrate.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for pachinko game machine.

USE - For pachinko game machine (claimed).

ADVANTAGE - Reduces number of components due to integral arrangement of **prize** winning opening, thereby simplifies **manufacture**

DESCRIPTION OF DRAWING(S) - The figure shows a perspective view of electrical decoration assembly.

Attachment substrate (1)

Lenses (2A-2C)

Control circuit board (3)

Prize winning openings (13a,13b,14a,14b)

pp; 8 DwgNo 1/9

Title Terms: ELECTRIC; DECORATE; ASSEMBLE; GAME; MACHINE; ATTACH; SUBSTRATE ; INNER; EDGE; INTEGRAL; COUPLE; PRIZE; WINNING; OPEN; LENS; FRONT; SURFACE; SUBSTRATE

Derwent Class: P36; T05; W04

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

16/5/18 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014272522 \*\*Image available\*\*

WPI Acc No: 2002-093224/200213

XRFX Acc No: N02-068796

**Pachinko machine attaches hobs of respective attachment substrates in through-holes formed on front side of special prize winning device using screws**

Patent Assignee: OKUMURA YUKI KK (OKUM-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001293163	A	20011023	JP 2000110345	A	20000412	200213 B

Priority Applications (No Type Date): JP 2000110345 A 20000412

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001293163	A		12	A63F-007/02	

Abstract (Basic): JP 2001293163 A

NOVELTY - Attachment hobs (66-69,82-85) of respective attachment substrates (45,47) are attached in respective through-holes (56A,57A,58A,59A) on front side of a prize winning device (51) using screws.

USE - Pachinko machine.

ADVANTAGE - The design of the attachment substrates can be changed

easily, by attaching hobs of substrates in through-holes of special **prize** winning device using screws. Hence **manufacturing** cost of the machine is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the attachment of substrates to the special prize winning device of a pachinko machine.

Substrates (45,47)

Prize winning device (51)

Through-holes (56A,57A,58A,59A)

Attachment hobs (66-69,82-85)

pp; 12 DwgNo 7/11

Title Terms: MACHINE; ATTACH; HOB; RESPECTIVE; ATTACH; SUBSTRATE; THROUGH; HOLE; FORMING; FRONT; SIDE; SPECIAL; PRIZE; WINNING; DEVICE; SCREW

Derwent Class: P36; T05

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

16/5/19 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014024887 \*\*Image available\*\*

WPI Acc No: 2001-509101/200156

XRPX Acc No: N01-378360

**Commercial transaction method in internet, involves showing presentation information of each manufacturer to user, based on his request to server**

Patent Assignee: TOMOYUKI Y (TOMO-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001195456	A	20010719	JP 200041987	A	20000114	200156 B

Priority Applications (No Type Date): JP 200041987 A 20000114

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001195456	A	2	G06F-017/60	

Abstract (Basic): JP 2001195456 A

NOVELTY - The goods information requested (4) by an user (1) is transmitted to a server (2) through internet. The server shows presentation information image (5) sent by each manufacturer (3), to the user.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Internet apparel commercial transaction system;

(b) Recording medium for storing commercial transaction program

USE - For commercial transaction using internet.

ADVANTAGE - The consumer can purchase desired goods proposed by each **manufacturer**, through internet and **prize** of each **manufacturer** is compared.

DESCRIPTION OF DRAWING(S) - The figure shows the conceptual diagram of commercial transaction system. (Drawing includes non-English language text).

User (1)

Server (2)

Manufacturer (3)

Goods information request (4)

Presentation information image (5)

pp; 2 DwgNo 1/1

Title Terms: COMMERCIAL; TRANSACTION; METHOD; PRESENT; INFORMATION; MANUFACTURE; USER; BASED; REQUEST; SERVE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

16/5/20 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX



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013916124

WPI Acc No: 2001-400337/200143

**Scratch card for entry prize draw and manufacture meethod - NoAbstract**

Patent Assignee: ENTROPIA SRL (ENTR-N)

Inventor: FULGENZI E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
IT 1291038	B	19981214	IT 97T0137	A	19970219	200143 B

Priority Applications (No Type Date): IT 97T0137 A 19970219

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
IT 1291038	B			A63F-000/00	

Title Terms: SCRATCH; CARD; ENTER; PRIZE; DRAW; MANUFACTURE; NOABSTRACT

Derwent Class: P36

International Patent Class (Main): A63F-000/00

File Segment: EngPI

**16/5/21 (Item 13 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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013795423 \*\*Image available\*\*

WPI Acc No: 2001-279634/200129

**Method for manufacturing award certification - NoAbstract**

Patent Assignee: KIM G W (KIMG-I)

Inventor: KIM G W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2000066673	A	20001115	KR 9913949	A	19990420	200129 B

Priority Applications (No Type Date): KR 9913949 A 19990420

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2000066673	A			B42D-015/00	

Title Terms: METHOD; MANUFACTURE; AWARD; CERTIFY; NOABSTRACT

Derwent Class: P76

International Patent Class (Main): B42D-015/00

File Segment: EngPI

**16/5/22 (Item 14 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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013662774 \*\*Image available\*\*

WPI Acc No: 2001-146986/200115

Related WPI Acc No: 2001-146988; 2001-146989; 2001-273201; 2001-354457

XRPX Acc No: N01-107643

**Maintaining award points to member of loyalty plan over internet has issue message used to transfer issued points from award bank to account for member**

Patent Assignee: AWARDTRACK INC (AWAR-N)

Inventor: ANDERSON B; ELDERBROCK D; HASSETT G P; WATSON J

Number of Countries: 093 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200101278	A2	20010104	WO 2000US17853	A	20000628	200115 B
AU 200057768	A	20010131	AU 200057768	A	20000628	200124

Priority Applications (No Type Date): US 99342748 A 19990629

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200101278 A2 E 29 G06F-017/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH  
CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE  
KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU  
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200057768 A G06F-017/00 Based on patent WO 200101278

Abstract (Basic): WO 200101278 A2

NOVELTY - A bank of award points for a loyalty plan is established, processing member behavior, an issue message is generated containing the number of points being issued as a result of the members behavior, the issue message is used to transfer the issued points from the award bank to an account for the member. The points can be redeemed by members in exchange for goods and services.

DETAILED DESCRIPTION - Members need to be enrolled, an enroll button on a user interface (120) is displayed, information about the new member is received and added to a database (140) and a new member identification is then generated. When redeeming a store page is displayed at a user interface, permitting the member to choose an item that the user desires to redeem the points against, and transmitting a signal containing data representing the members ID, the item to be redeemed, and the redemption command to an affiliate.

INDEPENDENT CLAIMS are also included for the following: An affiliate module for maintaining a loyalty plan; An article of **manufacture** and A method for converting **award** points from one loyalty plan to awards for another loyalty plan.

USE - For maintaining loyalty rewards plan.

ADVANTAGE - Allows members to keep track of points in program and convert then between programs and issues and redeems points in real time.

DESCRIPTION OF DRAWING(S) - The figure shows a system for maintaining one or more loyalty plans.

User interface (120)

Database (140)

pp; 29 DwgNo 1/8

Title Terms: MAINTAIN; AWARD; POINT; MEMBER; PLAN; ISSUE; MESSAGE; TRANSFER  
; ISSUE; POINT; AWARD; BANK; ACCOUNT; MEMBER

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

16/5/23 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013548182 \*\*Image available\*\*

WPI Acc No: 2001-032388/200105

XRAM Acc No: C01-010014

XRPX Acc No: N01-025317

**Article of clothing, e.g. sweatshirt, has detachably fastened patches  
embodying any indicia**

Patent Assignee: PANG M B (PANG-I)

Inventor: PANG M B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2261498	A1	20000804	CA 2261498	A	19990204	200105 B

Priority Applications (No Type Date): CA 2261498 A 19990204

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

CA 2261498 A1 E 12 A45F-005/02

Abstract (Basic): CA 2261498 A1

NOVELTY - An article of clothing, e.g. sweatshirt (10), has detachably fastened patches (3) embodying any indicia of wearer's choice.

DETAILED DESCRIPTION - Preferred Features: The patch(es) is/are secured to the garment via a loop and hook fastening system, commonly known as Velcro. The loop or hook fastening material is attached peripherally to the patch on the reverse plane to the indicia and is associated with a section of hook or loop fastening material, respectively, which is secured to the desired location of attachment on the garment. The patch carries on the reverse plane to the indicia a playing field consisting of (a) images varying from patch to patch and being identical on a much smaller number to provide a game of chance, (b) bar-code accompanying each set of images/playing field/patch for verifying the authenticity of the images in the playing field, and (c) coating of a manually scratchable substance to hide the playing field from view and reveal it when scratched off. The indicia comprises an electronic device. Removal of the electronic device allows the garment to be washed without damaging the device.

USE - For use as an article of clothing, e.g. sweatshirt.

ADVANTAGE - The invention allows trading of patches to acquire a new appearance to ones clothing, thus encouraging interaction with others. It has a game panel on the back of each patch through which one can win **prizes** from the **manufacturer**, retailer or other sponsors by matching game fields from two separate patches. This gives the invention a much increased incentive for the individual to become interactive with other patch owners. The clothing can contain high quality, high resolution images such as photographs that will retain their quality through washing of the garment as they are removed. The invention uses detachable patches to incorporate electronic devices into clothing, e.g. small scale video games or animal figures, which when pressed, emit their characteristic sound. The detachable patches allow the consumer to save money as a new patch is less expensive than a new jersey.

DESCRIPTION OF DRAWING(S) - The figure is a front plan view of a sweatshirt.

Patches (3)

Sweatshirt (10)

pp; 12 DwgNo 1/4

Title Terms: ARTICLE; CLOTHING; DETACH; FASTEN; PATCH; EMBODY; INDICIA

Derwent Class: F07; P21; P24; P36; W04; X27

International Patent Class (Main): A45F-005/02

International Patent Class (Additional): A41D-027/00; A63F-009/24

File Segment: CPI; EPI; EngPI

16/5/24 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013124890 \*\*Image available\*\*

WPI Acc No: 2000-296761/200026

XRPX Acc No: N00-222756

**Control system of ball hitting game machine operates premium ball paying-out unit according to data regarding number of prize winning balls stored in memory**

Patent Assignee: FUJI SHOJI KK (FUJI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000084202	A	20000328	JP 98255069	A	1998090	200026 B

Priority Applications (No Type Date): JP 98255069 A 19980909

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000084202	A	11	A63F-007/02	

Abstract (Basic): JP 2000084202 A

NOVELTY - A memory (58) provided in a game controller (49) stores

number of prize winning balls, based on output of a prize winning ball detector (29-34). A paying-out controller (56) operates premium ball paying-out unit (40) according to data stored in memory.

DETAILED DESCRIPTION - The prize winning ball detector (29-34) detects prize winning ball at prize winning opening (14-19). A premium paying-out unit (40) discharges premium ball when it is operated by a paying-out controller.

USE - For ball hitting game machine. e.g. pachinko machine, ball arrangement machine.

ADVANTAGE - Reduces size of machine by simplifying structure. Hence the machine is **manufactured** easily and cheaply. The **prize** winning ball is ejected to external quickly, hence premium ball is discharged reliably within short time accordingly.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of control system of ball hitting game machine.

Prize winning opening (14-19)  
Prize winning ball detector (29-34)  
Paying-out unit (40)  
Game controller (49)  
Paying-out controller (56)  
Memory (58)

pp; 11 DwgNo 5/7

Title Terms: CONTROL; SYSTEM; BALL; HIT; GAME; MACHINE; OPERATE; PREMIUM;  
BALL; PAY; UNIT; ACCORD; DATA; NUMBER; PRIZE; WINNING; BALL; STORAGE;  
MEMORY

Derwent Class: P36; T01; T05

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

16/5/25 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013114204 \*\*Image available\*\*

WPI Acc No: 2000-286075/200025

XRPX Acc No: N00-215494

**Special prize winning device for game machine e.g. pachinko game machine, slot machine**

Patent Assignee: ACE DENKEN KK (ACED-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000079219	A	20000321	JP 98252541	A	1998090	200025 B

Priority Applications (No Type Date): JP 98252541 A 19980907

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000079219	A		14	A63F-007/02	

Abstract (Basic): JP 2000079219 A

NOVELTY - The game machine has a random number judging unit (33) that determines the random numbers displayed by a random number forming unit (32) through a variable display unit (40). The displayed random numbers are considered special prize random numbers when they form a special prize pattern along any of the existing lines and/or forming lines of the variable display unit.

DETAILED DESCRIPTION - The existing lines and forming lines are formed by two or more display columns and display rows assuming matrix-like arrangement.

USE - For game machine e.g. pachinko game machine, slot machine.

ADVANTAGE - Improves expectation of player to obtain special **prize** pattern. Reduces **manufacturing** cost of game machine.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the game machine.

Random number forming unit (32)  
Random number judging unit (33)  
Variable display unit (40)

pp; 14 DwgNo 1/14  
Title Terms: SPECIAL; PRIZE; WINNING; DEVICE; GAME; MACHINE; GAME; MACHINE;  
SLOT; MACHINE  
Derwent Class: P36  
International Patent Class (Main): A63F-007/02  
International Patent Class (Additional): A63F-005/04  
File Segment: EngPI

16/5/26 (Item 18 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012894194 \*\*Image available\*\*  
WPI Acc No: 2000-066029/200006  
XRPX Acc No: N00-051684

**Harvesting support vehicle for weak plants e.g. grass, small pine plants, chrysanthemum**

Patent Assignee: IMOTO KK (IMOT-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11318165	A	19991124	JP 98128385	A	19980512	200006 B

Priority Applications (No Type Date): JP 98128385 A 19980512

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11318165	A		A01D-045/28	

Abstract (Basic): JP 11318165 A

NOVELTY - A cutting blade (3) horizontally extends from one side of a transit body (1), to cut the root sections of weak plants. A seat (2), which supports a person, is installed on top of the transit body. Front and rear wheels (12,13) are installed to the transit body, to allow manually moving the transit body backwards.

USE - For weak plants e.g. grass, small pine plants, chrysanthemum.

ADVANTAGE - Allows cutting of weak plant root sections, while person assumes sitting posture, thus reducing mental and physical exertion of person. Improves harvesting efficiency. Reduces **manufacturing** cost, thus reducing **prize** that is affordable by small-scale farmers.

DESCRIPTION OF DRAWING(S) - The figure shows the side view of the harvesting support vehicle, at the use state.

Transit body (1)

Seat (2)

Cutting blade (3)

Front and rear wheels (12,13)

Title Terms: HARVEST; SUPPORT; VEHICLE; WEAK; PLANT; GRASS; PINE; PLANT; CHRYSANTHEMUM

Derwent Class: P11; P12

International Patent Class (Main): A01D-045/28

International Patent Class (Additional): A01B-075/00

File Segment: EngPI

16/5/27 (Item 19 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012842415 \*\*Image available\*\*  
WPI Acc No: 2000-014247/200002  
XRPX Acc No: N00-011103

**Manufacturing method for rebated glass batten for doors and windows**

Patent Assignee: ING ROOB GMBH (INGR-N)

Inventor: ROOB C

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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DE 19820409 A1 19991118 DE 1020409 A 19980507 200002 B  
DE 19820409 C2 20000217 DE 1020409 A 19980507 200013

Priority Applications (No Type Date): DE 1020409 A 19980507

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

DE 19820409 A1 6 B27M-003/00

DE 19820409 C2 B27M-003/00

Abstract (Basic): DE 19820409 A1

NOVELTY - The battens are manufactured from profiled timber bars, with additional noses in the end faces. The miter faces for the batten rebates are formed from the noses. In glued profiled bars, the rebates are of outer optically high-quality timber layers. The battens are of longer overall length than the inner width of the finished door/window.

USE - Production of windows and doors.

ADVANTAGE - Uses profile milling tools to cut battens in two processing stages.

DESCRIPTION OF DRAWING(S) - Figure shows profiling batten forming.  
pp; 6 DwgNo 2/5

Title Terms: MANUFACTURE; METHOD; REBATE; GLASS; BATTEN; DOOR; WINDOW

Derwent Class: P63

International Patent Class (Main): B27M-003/00

File Segment: EngPI

16/5/28 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012747627

WPI Acc No: 1999-553744/199947

XRPX Acc No: N99-410002

**Variable color backlights for game with prize machines**

Patent Assignee: ASTRA GAMES LTD (ASTR-N)

Inventor: MATHIAS A B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2336233	A	19991013	GB 987304	A	19980407	199947 B

Priority Applications (No Type Date): GB 987304 A 19980407

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

GB 2336233 A 6 G07F-017/32

Abstract (Basic): GB 2336233 A

NOVELTY - The backlight can contain one more one colors, usually white with one or two others. The colors alter as the reel is spinning with different prize levels attached to each of the colors e.g. three 7's with white backlight is a normal win and three 7's with a red backlight is a super jackpot.

USE - Amusement and games prize giving machines with backlights.

ADVANTAGE - The varying **prize** level's allows the **manufactures** to increase the odds and include higher jackpots without the need of additional features or enlarging the wheel.

pp; 6 DwgNo 0/0

Title Terms: VARIABLE; GAME; PRIZE; MACHINE

Derwent Class: T05; W04; X26

International Patent Class (Main): G07F-017/32

File Segment: EPI

16/5/29 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012631597

\*\*Image available\*\*

WPI Acc No: 1999-437701/199937

XRPX Acc No: N99-326957

**Game condition varying system for pachinko machine - has paying-out device to discharge balls depending on number of balls counted by counter**

Patent Assignee: TAKEYA KK (TAKE-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11179003	A	19990706	JP 97356542	A	19971225	199937 B

Priority Applications (No Type Date): JP 97356542 A 19971225

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11179003	A		12	A63F-007/02	

Abstract (Basic): JP 11179003 A

NOVELTY - When a game board (22) does not have prize winning opening along with large prize winning opening (28), a ball counter counts the number of balls discharged. When number of balls counted reaches a predetermined value, a paying-out unit emits a pachinko ball to player.

USE - For pachinko machine.

ADVANTAGE - Components relevant to **prize** winning opening is eliminated and **manufacturing** cost is reduced and labor. Cost to adjust game nail is cut down. DESCRIPTION OF DRAWING(S) - The figure shows front elevation of components of pachinko game machine. (22) Game board; (28) Prize winning opening.

Dwg.1/9

Title Terms: GAME; CONDITION; VARY; SYSTEM; MACHINE; PAY; DEVICE; DISCHARGE ; BALL; DEPEND; NUMBER; BALL; COUNT; COUNTER

Derwent Class: P36

International Patent Class (Main): A63F-007/02

File Segment: EngPI

16/5/30 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012109684 \*\*Image available\*\*

WPI Acc No: 1998-526596/199845

XRPX Acc No: N98-411630

**Prize card manufacturing method for use in shops - involves concealing lower identification layer, thermosensitive layer, and middle identification layer containing characters and signs by opaque peeling off layer**

Patent Assignee: OKADA E (OKAD-I); TEIKOKU INK SEIZO KK (TEII )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10232614	A	19980902	JP 9752462	A	19970220	199845 B

Priority Applications (No Type Date): JP 9752462 A 19970220

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10232614	A		8	G09F-003/03	

Abstract (Basic): JP 10232614 A

The method involves forming a printing layer (3) over a base material (2). A lower identification layer of characters and signs (5-6) is formed over the printing layer. A transparent thermosensitive layer (8-9) which develops colour due to changes of temperature is arranged on top of lower identification layer.

An identification middle layer of characters and signs is formed. On top of all the layers, an opaque peeling off layer is formed. The peeling off layer conceals the lower layer.

ADVANTAGE - Allows recycling of card. Allows use as point card also thereby increases effectiveness.

Dwg.1/8

Title Terms: PRIZE; CARD; MANUFACTURE; METHOD; SHOP; CONCEAL; LOWER;  
IDENTIFY; LAYER; THERMOSENSITIVE; LAYER; MIDDLE; IDENTIFY; LAYER; CONTAIN  
; CHARACTER; SIGN; OPAQUE; PEEL; LAYER  
Derwent Class: P85  
International Patent Class (Main): G09F-003/03  
International Patent Class (Additional): G09F-001/02  
File Segment: EngPI

16/5/31 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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012102873 \*\*Image available\*\*

WPI Acc No: 1998-519784/199844

XRPX Acc No: N98-405936

Randomised prize award distributing method for sales promotion of  
consumer products e.g. food products - involves randomly mixing and  
distributing prize designating products that incorporates readily  
identifiable prize designating feature, element or characteristic with  
non prize designating feature

Patent Assignee: HOWES J P (HOWE-I)

Inventor: HOWES J P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5806852	A	19980915	US 9611767	A	19960212	199844 B
			US 97799102	A	19970211	

Priority Applications (No Type Date): US 9611767 P 19960212; US 97799102 A  
19970211

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5806852	A	8	A63F-003/06	Provisional application US 9611767

Abstract (Basic): US 5806852 A

The method involves **manufacturing** non-**prize** designating edible food products and prize designating edible food products (20) with same components as that of the non-prize designating edible food products. The prize designating products incorporate a readily identifiable prize designating feature, element or characteristic (22) integrally formed as a part of the product itself.

The prize designating and non-prize designating products are randomly intermixed, and are packed. The packages (24) bearing prize designating products are randomly distributed along with that of non-prize designating products.

ADVANTAGE - Enables implementation without major changes in manufacturing process of products. Enables promotion using a contest thereby generating high interest and excitement. Facilitates complete random distribution of prize designating and non-prize designating products.

Dwg.1,2/9

Title Terms: RANDOM; PRIZE; AWARD; DISTRIBUTE; METHOD; SALE; PROMOTE;  
CONSUME; PRODUCT; FOOD; PRODUCT; RANDOM; MIX; DISTRIBUTE; PRIZE;  
DESIGNATED; PRODUCT; INCORPORATE; READY; IDENTIFY; PRIZE; DESIGNATED;  
FEATURE; ELEMENT; CHARACTERISTIC; NON; PRIZE; DESIGNATED; FEATURE

Derwent Class: P36

International Patent Class (Main): A63F-003/06

File Segment: EngPI

16/5/32 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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012082546 \*\*Image available\*\*

WPI Acc No: 1998-499457/199843



XRPX Acc No: N98-390276

**Attachment structure of prize ball set cover for pachinko machine - has holding recess and elastic protrusion that prevents accidental release of lock position of stopper piece to connection receiver**

Patent Assignee: SANYO BUSSAN KK (SANY-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10216318	A	19980818	JP 9725452	A	19970207	199843 B

Priority Applications (No Type Date): JP 9725452 A 19970207

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10216318	A		12	A63F-007/02	

Abstract (Basic): JP 10216318 A

The structure has a connection receiver (22) integrally formed in the backside of a game board (19) in two or more places. A guide path formation portion (20) includes a guide path through which prize balls are guided to a prize ball set chute.

Stopper pieces (33) are connected to the connection receiver in the state in a prize ball set cover (21) is overlapped with the guide path formation portion. The release position of the stopper piece to the connection receiver is displaced between lock positions, in which the release of the lock position is prevented by a holding recess (33B) and an elastic protrusion.

ADVANTAGE - Ensures complete attachment of **prize** ball seat cover. Reduces **manufacturing** cost and simplifies component management by providing simple composition. Enables small formation of metal mould. Prevents stopper pieces from being released accidentally.

Dwg.2/25

Title Terms: ATTACH; STRUCTURE; PRIZE; BALL; SET; COVER; MACHINE; HOLD; RECESS; ELASTIC; PROTRUDE; PREVENT; ACCIDENT; RELEASE; LOCK; POSITION; STOPPER; PIECE; CONNECT; RECEIVE

Derwent Class: P36

International Patent Class (Main): A63F-007/02

File Segment: EngPI

**16/5/33 (Item 25 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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012082543 \*\*Image available\*\*

WPI Acc No: 1998-499454/199843

Related WPI Acc No: 1998-499449

XRPX Acc No: N98-390273

**Pachinko machine - includes controller that generates control signals for switch based on pattern displayed by display elements, to increase prize winning probability**

Patent Assignee: HEIWA KK (HEIW-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10216315	A	19980818	JP 8930279	A	19890209	199843 B
			JP 9890126	A	19890209	

Priority Applications (No Type Date): JP 8930279 A 19890209; JP 9890126 A 19890209

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10216315	A		16	A63F-007/02	Div ex application JP 8930279

Abstract (Basic): JP 10216315 A

The machine includes a hopper in which balls to be emitted on a game board (3), are accommodated. The flow of balls to the hopper is carried out through an inflow opening. The inflow opening is opened or closed by a switch. Several light emission display elements (43) are

arranged in a variable display unit (12).

Several patterns are displayed by display elements. The variation of pattern display is carried out by the display elements based on supply of ball to the prize winning opening (11). A controller generates a control signals for the switch based on the pattern displayed by the display elements and prize winning probability is increased.

ADVANTAGE - Reduces number of parts involved by eliminating need for separate drive units for switch and guidance unit. Improves design efficiency of game machine. Reduces **manufacturing** cost of variable **prize** winning ball apparatus. Simplifies assembly operation. Features simplified attachment structures.

Dwg.3/17

Title Terms: MACHINE; CONTROL; GENERATE; CONTROL; SIGNAL; SWITCH; BASED; PATTERN; DISPLAY; DISPLAY; ELEMENT; INCREASE; PRIZE; WINNING; PROBABILITY  
Derwent Class: P36  
International Patent Class (Main): A63F-007/02  
File Segment: EngPI

16/5/34 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011482501 \*\*Image available\*\*

WPI Acc No: 1997-460406/199743

XRPX Acc No: N97-383347

**Floorboard with rebated edges - has floorboard with multiple rectangular rebates allowing it to be easily removed if necessary**

Patent Assignee: DAVIES J I (DAVI-I)

Inventor: DAVIES J I

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2311793	A	19971008	GB 966807	A	19960330	199743 B
GB 2311793	B	19991027	GB 966807	A	19960330	199946

Priority Applications (No Type Date): GB 966807 A 19960330

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2311793	A	10		E04F-015/04	
GB 2311793	B			E04F-015/04	

Abstract (Basic): GB 2311793 A

The floorboard (1,10) has rebates (2,12,14) situated along opposed parallel edges cut from the same face of board. Each cut out matches the flange that remains. Each rebate is rectangular in shape and has steps.

Guidelines run parallel to the edges and inwards of the **rebates** are provided at **manufacture** of the boards to show where screw holes should be drilled.

USE - For use in any building.

ADVANTAGE - The system ensures that floor is laid with a smooth gap free fitting and yet is able to be lifted at a later date for extra fittings with ease and without causing damage.

Dwg.1,5/5

Title Terms: REBATE; EDGE; MULTIPLE; RECTANGLE; REBATE; ALLOW; EASY; REMOVE ; NECESSARY

Derwent Class: Q45

International Patent Class (Main): E04F-015/04

File Segment: EngPI

16/5/35 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011306400 \*\*Image available\*\*

WPI Acc No: 1997-284305/199726  
Related WPI Acc No: 1997-284309  
XRPX Acc No: N97-235345

**Pachinko machine - has gift ball processor that processes first number of prize winning balls stored in storing portion over gift ball expelled from other prize winning windows, when prize is won from first prize winning windows**

Patent Assignee: SANYO BUSSAN KK (SANY-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9103560	A	19970422	JP 87176815	A	19870714	199726 B
			JP 96242985	A	19870714	

Priority Applications (No Type Date): JP 87176815 A 19870714; JP 96242985 A 19870714

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9103560	A	11	A63F-007/02	Div ex application JP 87176815	

Abstract (Basic): JP 9103560 A

The machine (1) has several prize winning windows (3,4) from which different gift balls are discharged on a game board (2), when a pachinko ball is won. A mechanism board lower portion is divided into the prize winning ball set portion corresponding to each prize winning ball.

The number of prize winning balls from the first prize winning windows are accommodated in a storage portion. When the prize is won from the first prize winning windows, a gift ball processor gives priority to the number of prize winning ball accommodated in the storing portion over the gift ball expelled from the other prize winning windows.

ADVANTAGE - Enables changing of number of gift balls according to kind of prize winning window which won **prize** with simple composition, thus reducing **manufacturing** cost.

Dwg.1/10

Title Terms: MACHINE; GIFT; BALL; PROCESSOR; PROCESS; FIRST; NUMBER; PRIZE; WINNING; BALL; STORAGE; STORAGE; PORTION; GIFT; BALL; EXPEL; PRIZE; WINNING; WINDOW; PRIZE; FIRST; PRIZE; WINNING; WINDOW

Derwent Class: P36; W04

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

16/5/36 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010990997

WPI Acc No: 1996-487946/199649

XRPX Acc No: N96-411130

**Payout converter for amusement and gaming machine using cash or tokens - uses output payout pulses generated by machine software, and has electronic circuit for counting pulses and converting them to achieve payouts equal, lesser or greater than set value programmed into machine**

Patent Assignee: MATHEWSON R (MATH-I)

Inventor: MATHEWSON R

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2300747	A	19961113	GB 9516672	A	19950815	199649 B
GB 2300747	B	19970416	GB 9516672	A	19950815	199719

Priority Applications (No Type Date): GB 9516672 A 19950815

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2300747	A	5	G07F-017/34		
GB 2300747	B		G07F-017/34		

Abstract (Basic): GB 2300747 A

The amusement and gaming machine payout converter has an electronic circuit with unique functions and a device to intercept and collate the original manufacturers programmed payout mechanisms. The circuit converts the pulses so that payouts of non-monetary and monetary values of equal, lesser or greater than the original fixed value of the monetary or non-monetary **prizes** determined by the original **manufacturers**.

ADVANTAGE - Allows prize pay-out adjustment to set new award limits on periodic basis and to suit legislation changes where necessary.

Dwg.0/0

Title Terms: PAYOUT; CONVERTER; AMUSE; GAME; MACHINE; CASH; TOKEN; OUTPUT; PAYOUT; PULSE; GENERATE; MACHINE; SOFTWARE; ELECTRONIC; CIRCUIT; COUNT; PULSE; CONVERT; ACHIEVE; EQUAL; GREATER; SET; VALUE; PROGRAM; MACHINE  
Derwent Class: T05  
International Patent Class (Main): G07F-017/34  
File Segment: EPI

16/5/37 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010392190 \*\*Image available\*\*

WPI Acc No: 1995-293503/199539

XRPX Acc No: N95-222048

Automatically providing electronic consumer rebate - providing special telephone number so that purchaser can enter product code correlated to purchased item and crediting account with amt. corresp. to product code

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT ); LUCENT TECHNOLOGIES INC (LUCE )

Inventor: HOLDA-FLECK M A

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2136038	A	19950629	CA 2136038	A	19941117	199539 B
US 5729693	A	19980317	US 93174570	A	19931228	199818
			US 96781177	A	19960503	

Priority Applications (No Type Date): US 93174570 A 19931228; US 96781177 A 19960503

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2136038	A		23	H04M-011/00	
US 5729693	A		9	G06F-017/60	Cont of application US 93174570

Abstract (Basic): CA 2136038 A

An existing telephone network and system is used. The consumer dials a dedicated pre-assigned telephone number and is prompted to enter the product code and a serial number for purchase verification purposes. A rebate is provided instantaneously in the form of a credit to the consumer's telephone account.

The rebates so provided to consumers are collated on a per manufacturer basis. The telephone service provider issues statements to the rebating **manufacturers** to cover the **rebates** issued as well as its service charge.

ADVANTAGE - Allows quick collection of **rebate** without tending to paper-work. **Manufacturer** spared need to intervene on request-by-request basis. Reduced cost of implementation. System made instantly available to all consumers and manufacturers not requiring intervention or participation by retail merchant at point-of-sale.

Dwg.1/3

Title Terms: AUTOMATIC; ELECTRONIC; CONSUME; REBATE; SPECIAL; TELEPHONE; NUMBER; SO; PURCHASE; CAN; ENTER; PRODUCT; CODE; CORRELATE; PURCHASE; ITEM; ACCOUNT; AMOUNT; CORRESPOND; PRODUCT; CODE  
Derwent Class: T05; W01  
International Patent Class (Main): G06F-017/60; H04M-011/00  
File Segment: EPI

16/5/38 (Item 30 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010306926 \*\*Image available\*\*  
WPI Acc No: 1995-208184/199528  
XRAM Acc No: C95-096417  
XRPX Acc No: N95-163131

**Triangular, replaceable, rotary machine tool cutter, and carrier -  
producing smooth-edged grooves and rebates , especially for window frame  
manufacture**

Patent Assignee: SCHRAMMEL H (SCHR-I)  
Inventor: SCHRAMMEL H  
Number of Countries: 001 Number of Patents: 002  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
DE 4443563 A1 19950608 DE 4443563 A 19941207 199528 B  
DE 4443563 C2 19960222 DE 4443563 A 19941207 199612

Priority Applications (No Type Date): DE 4341679 A 19931207

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4443563	A1	10		B27G-013/14	
DE 4443563	C2	10		B27G-013/14	

Abstract (Basic): DE 4443563 A

A multipurpose cutter, essentially a form milling cutter, preferably with a triangular body, having: two opposite flat faces (2,3), three thin side surfaces (4,5,6) three corresponding (pairs of) longitudinal edges (7-12) between the side surfaces (4,5,6) and the faces (2,3) three apex edges (13-15) between the flat faces (2,3), and a central bore (B) to screw the cutter to a holder. At least one of the long edges (7-9), at each of the apex edges (13-15), has a cutting edge, commencing at the cutting point (2a,2b,2c); and in addition may have an edge breaking cutter, which shapes the edge of the workpiece. Further constructional details, variations of this basic form, and a rotating carrier for the cutter are also claimed.

USE - As the milling cutter in a rotary wood- or plastic working machine, especially for the **manufacture** of window frames. Will **rebate** a folding line or a groove into the material, removing sharp edges.

ADVANTAGE - The secondary form cutting edge ''breaks'' or rounds the corners left in the workpiece at the same time as the grove itself is cut, hence avoiding the cost of further finishing operations and/or machinery. Concave or convex edges and corners are feasible, in a cutter design which allows a convenient angle of cutting axis.

Dwg.4/8

Title Terms: TRIANGLE; REPLACE; ROTATING; MACHINE; TOOL; CUT; CARRY;  
PRODUCE; SMOOTH; EDGE; GROOVE; REBATE; WINDOW; FRAME; MANUFACTURE

Derwent Class: A35; P63

International Patent Class (Main): B27G-013/14

International Patent Class (Additional): B29C-037/00

File Segment: CPI; EngPI

16/5/39 (Item 31 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010207278 \*\*Image available\*\*  
WPI Acc No: 1995-108532/199515  
XRPX Acc No: N95-085754

**Structural joint for dry assembled precast concrete building units -  
comprises corrugated metal ducts cast into precast slabs and panels for  
receiving steel continuity rods lapped where necessary and grouted**

Patent Assignee: DLC SRL (DLCD-N); GERMANI SPA PAOLO (GERM-N)  
Inventor: DAL LAGO A  
Number of Countries: 008 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 643178	A2	19950315	EP 94202267	A	19940805	199515 B
EP 643178	A3	19950809	EP 94202267	A	19940805	199613
IT 1272594	B	19970626	IT 93MI1928	A	19930909	199811

Priority Applications (No Type Date): IT 93MI1928 A 19930909

Cited Patents: No-SR.Pub; DE 1282280; FR 1293678; GB 1340321; US 4603522

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 643178	A2	E	6	E04B-001/04	
Designated States (Regional): AT CH DE ES FR GB IT LI					
EP 643178	A3			E04B-001/04	
IT 1272594	B			E04C-000/00	

Abstract (Basic): EP 643178 A

Precast concrete slabs (10) are **manufactured** with **rebated** edges to form a joint where the projection (14) of one slab rests on the adjacent slab. A lead or similar plastics deformable sheet material (17) provides correct seating. Corrugated steel sheathing (12) and reinforcing links (16) are cast in the slab.

Load-bearing, partition, or perimeter wall panels (11) are cast with similar full height duct sheaths located between face reinforcement, and are erected on lead seatings. Steel rebar (15) cut to storey height plus lap lengths, is inserted in the ducts and grouted.

USE/ADVANTAGE - The system enables the precast units to be erected dry, floor by floor, with panels propped until rebar is placed in the ducts and grouted. Permits a degree of design flexibility.

Dwg.1/3

Title Terms: STRUCTURE; JOINT; DRY; ASSEMBLE; PRECAST; CONCRETE; BUILD; UNIT; COMPRISE; CORRUGATED; METAL; DUCT; CAST; PRECAST; SLAB; PANEL; RECEIVE; STEEL; CONTINUE; ROD; LAP; NECESSARY; GROUT

Derwent Class: Q43; Q44

International Patent Class (Main): E04B-001/04; E04C-000/00

File Segment: EngPI

16/5/40 (Item 32 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010017524 \*\*Image available\*\*

WPI Acc No: 1994-285236/199435

XRPX Acc No: N94-224614

**Number matching gaming machine - compares generated random number with that entered by user and opens cabinet to allow access to prize if they match**

Patent Assignee: TECH MFG INC (TETE-N)

Inventor: CARSTENS D L; VANDEN BOSCH D H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5344199	A	19940906	US 9344744	A	19930412	199435 B

Priority Applications (No Type Date): US 9344744 A 19930412

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5344199	A		15	A63F-005/04	

Abstract (Basic): US 5344199 A

The gaming machine has a display cabinet including a prize display section with at least one transparent surface for allowing exterior viewing of the prize. Doors allow access to the prize display section. A lock is mounted on the cabinet for disengagably closing the doors to restrict access to the prize.

A random number generator is associated with the display cabinet. An input allows entry of an input number by a user. A comparator is

connected to the random number generator and the input for comparing the two numbers. The comparator is operatively connected to the lock for disengaging the lock if the two number are equal such that the doors may be opened to gain access to the prize.

USE/ADVANTAGE - Entertainment. Displays **prize** . Simple rules for game. Simple **manufacture** . Durable construction. Safe.

Dwg.8/14

Title Terms: NUMBER; MATCH; GAME; MACHINE; COMPARE; GENERATE; RANDOM; NUMBER; ENTER; USER; OPEN; CABINET; ALLOW; ACCESS; PRIZE; MATCH

Derwent Class: P36; W04

International Patent Class (Main): A63F-005/04

File Segment: EPI; EngPI

16/5/41 (Item 33 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009909170 \*\*Image available\*\*

WPI Acc No: 1994-176876/199422

Related WPI Acc No: 1999-611571

XRPX Acc No: N94-139337

**Point-of-sale merchandising method for generation and redemption for product coupons - selecting coupon for selected customer with consumer and coupon identifications being encoded in machine readable form**

Patent Assignee: AD RESPONSE MICROMARKETING CORP (ADRE-N)

Inventor: DE LAPA J P; HOWE C F

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2098329	A	19940318	CA 2098329	A	19930614	199422 B
US 5353218	A	19941004	US 92947285	A	19920917	199439
MX 183936	B	19970203	MX 935655	A	19930914	199818
US 5822735	A	19981013	US 92947285	A	19920917	199848
			US 94316909	A	19941003	

Priority Applications (No Type Date): US 92947285 A 19920917; US 94316909 A 19941003

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2098329	A		60	G07B-005/06	
US 5353218	A		24	G06F-015/21	
MX 183936	B			G06F-015/021	
US 5822735	A			G06F-017/60	Cont of application US 92947285 Cont of patent US 5353218

Abstract (Basic): CA 2098329 A

The method involves selecting a user from a data base containing a number of users, each residing at a particular geographic location. One coupon, at least, is selected, having a particular value of a parameter. The parameter including a discount amount of the coupon. A unique user identification number is assigned to the selected user and a unique coupon identification number to the selected coupon. The coupon encoded with the user identification number and the unique coupon identification are simultaneously printed. The coupon is transmitted to the selected user at the location particular to that user.

ADVANTAGE - Coupon redemption function may be performed on coupons no bearing user number.

Dwg.4/9

Title Terms: POINT; SALE; MERCHANDISE; METHOD; GENERATE; PRODUCT; COUPON; SELECT; COUPON; SELECT; CUSTOMER; CONSUME; COUPON; IDENTIFY; ENCODE; MACHINE; READ; FORM

Derwent Class: P76; T01; T05

International Patent Class (Main): G06F-015/021; G06F-015/21; G06F-017/60; G07B-005/06

International Patent Class (Additional): B42D-015/00

File Segment: EPI; EngPI

16/5/42 (Item 34 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009846836 \*\*Image available\*\*  
WPI Acc No: 1994-126692/199415  
XRPX Acc No: N94-099394

**Printed coupon dispenser for retail outlet - controls scrolling sign in response to sensed presence of consumers, and provides record of number and types of coupons ordered from each location**

Patent Assignee: IE&E IND INC (IEEI-N)

Inventor: AXLER M W; NANSOUR A L; ZINK D J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5305197	A	19940419	US 92969022	A	19921030	199415 B

Priority Applications (No Type Date): US 92969022 A 19921030

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5305197	A		13	G06F-015/22	

Abstract (Basic): US 5305197 A

A system for printing consumer selected items includes a central computer, a display of various types of consumer items, a keyboard interfaced with the central computer to allow a consumer to select one of the displayed items, a printer enabling an item to be printed in response to the consumer selection, and a sensor interfaced with the central computer to sense the presence of a consumer in the vicinity of the system. The system further includes a memory which stores the types and amounts of consumer items ordered and further records the operation of the sensor to determine how often the consumer is in the vicinity of the system.

The computer receives inputs from the keyboard, and causes particular consumer items to be printed by the printer in response to the keyboard signal. The keyboard is keyed to correspond to various items displayed on the display. The computer receives signals from the sensor and controls a scroll sign, including audio signals, which scrolls messages. The scroll sign is changed from attractant to instructional messages when a consumer is sensed in the vicinity.

USE/ADVANTAGE - Eg appts. supplying information relating to classified advertisements, personal ads, used cars, boats, **manufacturers rebates**, map and directions, travel tour guides, historical landmark information, library card index machines, pharmaceutical appts. for providing information on medicine, recipes, catalog showrooms, fast food selection, general store directory, new cars, personal loans, office building directory, sporting event, train and aeroplane schedule, weather information, movie theatre guide, radio frequency guide, television schedules, news agenda, survey and polling, telephone directory, stock quote and bookstore directories.

Dwg.13/14

Title Terms: PRINT; COUPON; DISPENSE; RETAIL; OUTLET; CONTROL; SCROLL; SIGN  
; RESPOND; SENSE; PRESENCE; CONSUME; RECORD; NUMBER; TYPE; COUPON; ORDER;  
LOCATE

Derwent Class: T01; T04; T05

International Patent Class (Main): G06F-015/22

International Patent Class (Additional): G06F-015/24; G06G-007/48;  
G06G-007/52; G07G-001/12

File Segment: EPI

16/5/43 (Item 35 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004166391



WPI Acc No: 1984-311930/198450

XRPX Acc No: N84-232671

**Board game teaching good manufacturing practices - has blocks placeable on selected property areas, with awards and penalties given depending on answers**

Patent Assignee: GMP INST INC (GMPI-N)

Inventor: BECZE T D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4484748	A	19841127	US 82363936	A	19820331	198450 B

Priority Applications (No Type Date): US 82363936 A 19820331

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4484748	A		7		

Abstract (Basic): US 4484748 A

In the board game, at each turn of play, the players are required to answer a question relating to a particular facet of **manufacturing**.

**Awards** and penalties result in dependence upon whether correct answers are given. The game can be played at various levels and with emphasis on particular aspects of manufacturing to suit the background and need of the players.

Selected property areas are acquirable by the players and blocks are placeable on the property areas. The blocks include base block portions, first and second stackable blocks and a post. The game also uses several sets of cards.

ADVANTAGE - The board game facilitates a player's understanding of the concepts relating to good manufacturing practices.

1/5

Title Terms: BOARD; GAME; TEACH; MANUFACTURE; PRACTICE; BLOCK; PLACE;

SELECT; PROPERTIES; AREA; AWARD; PENALTY; DEPEND; ANSWER

Derwent Class: P36

International Patent Class (Additional): A63F-003/00; A63F-009/18

File Segment: EngPI

19/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06739705 \*\*Image available\*\*  
SLOT MACHINE

PUB. NO.: 2000-325555 [JP 2000325555 A]  
PUBLISHED: November 28, 2000 (20001128)  
INVENTOR(s): IWATA YASUSHI  
APPLICANT(s): SAMII KK  
APPL. NO.: 11-139887 [JP 99139887]  
FILED: May 20, 1999 (19990520)  
INTL CLASS: A63F-005/04

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a slot machine in which a difference occurs in the number of acquired medals even between skilled players in a big bonus game.

SOLUTION: This slot machine is provided with a role lotting means 61 for lotting a role, a **prize** winning **detecting** means 62 for **detecting** a **prize** winning picture pattern on an effective line of a reel 31, a big bonus game transiting means 63 for starting the big bonus game when the big bonus role is a success at the time of prize winning, a shift picture pattern lotting means 70 for lotting a shift picture patterns for starting the big bonus game during general play in the big bonus game and a role prize winning time fluctuating means 72 for making the role prize winning time expectation value of the big bonus game started from prize winning based on the first shift picture pattern greater than the time of prize winning **based on the second** shift picture pattern when starting the big bonus game from the general play in the big bonus game on the basis of prize winning with the shift picture pattern based on the lottery of the shift picture pattern lotting means 70.

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19/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06702361 \*\*Image available\*\*  
PACHINKO GAME MACHINE

PUB. NO.: 2000-288192 [JP 2000288192 A]  
PUBLISHED: October 17, 2000 (20001017)  
INVENTOR(s): MATSUMOTO KUNIO  
APPLICANT(s): FUJI SHOJI KK  
APPL. NO.: 11-099751 [JP 9999751]  
FILED: April 07, 1999 (19990407)  
INTL CLASS: A63F-007/02

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a pachinko game machine capable of raising the interest of a player by maintaining an opened state of a second starting means until a specific ball dispensing number is obtained when a predetermined condition is satisfied.

SOLUTION: This pachinko game machine is provided with a first pattern variation controlling means 26 varying a first pattern in a first pattern displaying means 22 for a predetermined time when a first starting means 16 detects a game ball, an openable winning type second starting means 14 opened when the first pattern shows a specific pattern after variation of the first pattern displaying means 22, a second pattern variation controlling means 28 varying a second pattern in a second pattern displaying means 20 for a predetermined time when the second starting means 14 **detects** a game ball, a variable **prize** means 15 opened when the

**second** pattern shows a specific pattern **after** variation of the **second** pattern displaying means 20, and an opening/closing controlling means 31 keeping the second starting means 14 opened until a specific number of dispensing prize ball is obtained when the second starting means 14 is opened under a predetermined condition.

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19/5/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06660077 \*\*Image available\*\*  
GAME MACHINE

PUB. NO.: 2000-245901 [JP 2000245901 A]  
PUBLISHED: September 12, 2000 (20000912)  
INVENTOR(s): FUKUMOTO NOBUAKI  
APPLICANT(s): SANYO PRODUCT CO LTD  
APPL. NO.: 11-056183 [JP 9956183]  
FILED: March 03, 1999 (19990303)  
INTL CLASS: A63F-007/02

#### ABSTRACT

PROBLEM TO BE SOLVED: To reduce a load on a first controller in a game machine by which picture data is generated in at least the **second** controller **based** on a signal outputted from the first controller and the picture is displayed in display device.

SOLUTION: A pachinko machine is provided with display device 4 for displaying patterns 10 or the like, auxiliary device such as a speaker or a lamp, a start port switch 21 for **detecting prize**-winning in the start port 3 of a game ball 6 and the first and second controllers for controlling display device 4 based on the detecting result of the switch 21 and auxiliary device or the like. The first controller outputs a picture display signal including information concerning pattern display in response to the detecting result of the switch 21. The second controller controls display device 4 in accordance with the picture display signal from the first one, displays and stops the patterns 10 by change and controls the auxiliary device in accordance with the display state of the patterns 10.

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19/5/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06521660 \*\*Image available\*\*  
GAME MACHINE

PUB. NO.: 2000-107379 [JP 2000107379 A]  
PUBLISHED: April 18, 2000 (20000418)  
INVENTOR(s): KISHI ISAO  
APPLICANT(s): MARUHO IND CO LTD  
APPL. NO.: 10-297566 [JP 98297566]  
FILED: October 06, 1998 (19981006)  
INTL CLASS: A63F-007/02

#### ABSTRACT

PROBLEM TO BE SOLVED: To **reduce** a unit **price** of a game machine by contriving a display control method of a 7-segment display to utilize it as a pattern display unit again, and provide a game machine provided with a new pattern fluctuation method.

SOLUTION: Within a fluctuation fixed time, each display part repeats high speed fluctuation, and at the timing after pass of the fluctuation fixed

time, all the segments are once lighted off in the display part, and the segments are lighted one by one at every specified intervals. For **determination** if it is a special **prize** or not, it is already decided by a random number value stored in a memory area at the timing when fluctuation of a special pattern is started, but since a pattern is gradually formed till a stopped pattern becomes a special prize pattern of 8-8-8, feel of expectation is aroused.

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19/5/5 (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06475543 \*\*Image available\*\*  
PACHINKO MACHINE

PUB. NO.: 2000-061118 [JP 2000061118 A]  
PUBLISHED: February 29, 2000 (20000229)  
INVENTOR(s): UGAWA SHOHACHI  
APPLICANT(s): SANKYO KK  
APPL. NO.: 10-240383 [JP 98240383]  
FILED: August 26, 1998 (19980826)  
INTL CLASS: A63F-007/02

#### ABSTRACT

PROBLEM TO BE SOLVED: To delicately adjust, manage, etc., a pachinko machine by outputting the counted value of the numbers of the opening/closing times of the opening/closing members of a variable prize winning ball device to the outside of the machine as recognizable information when the calculated value of all the prize winning balls entered inside the variable prize winning ball device becomes a prescribed value while controlling a specific game state.

SOLUTION: When prize winning balls accepted in the variable prize winning ball device 20 enters a specific prize winning area 38 to turn on a specific **prize** winning ball **detector** 40, the specific game state, namely a big winning state, is generated to generate a first state that ball receiving members 25a and 25b are opened and closed prescribed times. When a pachinko ball enter the area again in this state, a repeatedly continuing condition is formed to make the device 20 in a second state once and repeatedly continuing control for making the device 20 in the **first** state again is executed **next**. At this time, the counted value of the numbers of the opening/ closing times of ball receiving members 25a and 25b as the opening/closing members is outputted to the outside of the machine as recognizable information when the calculated value of all the prize winning balls entered inside the device 20 becomes the prescribed value.

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19/5/6 (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06250780 \*\*Image available\*\*  
GAME MACHINE

PUB. NO.: 11-192358 [JP 11192358 A]  
PUBLISHED: July 21, 1999 (19990721)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI  
APPLICANT(s): SOPHIA CO LTD  
APPL. NO.: 10-304382 [JP 98304382]  
FILED: October 26, 1998 (19981026)  
INTL CLASS: A63F-007/02

#### ABSTRACT

PROBLEM TO BE SOLVED: To eliminate necessity for exchanging a prize value imparting control circuit only by means of the exchange of a game board and a game control circuit, etc., incidental to it even when a prize value quantity is changed with the exchange of the game board by permitting a prize value quantity setting means to set the prize value quantities so as to make them different, which are imparted after prize winning to a specified prize winning area and the prescribed prize winning area except it based on a second storage value.

SOLUTION: A prize winning number detecting equipment 129 arranged in the specified prize winning area among the plural prize winning areas with different prize ball numbers is provided at a game board side and a game controller 600 is provided with the prize ball number setting means for setting the different number of prize balls to be discharged based on the detection of the prize winning ball detecting equipment 241 in accordance with a case where the prize winning balls which win a prize in one of the plural prize winning areas are detected by the prize winning number detecting equipment 129 or not. Besides, a game machine is also provided with a means for storing the prize winning of the prize winning balls based on the detecting signal of the prize winning number detecting equipment 29 and a priority discharge control means for preferentially discharging the prescribed quantity of prize winning balls based on the detection of the prize winning ball detecting equipment 241.

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19/5/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

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06077793 \*\*Image available\*\*

ELECTRONIC HALL GAME MACHINE

PUB. NO.: 11-019305 [JP 11019305 A]  
PUBLISHED: January 26, 1999 (19990126)  
INVENTOR(s): HAGIWARA TOMOYASU  
APPLICANT(s): SANWA KK  
APPL. NO.: 10-056584 [JP 9856584]  
FILED: March 09, 1998 (19980309)  
PRIORITY: 09114535 [JP 979114535], JP (Japan), May 02, 1997 (19970502)  
INTL CLASS: A63F-007/02; A63F-007/02

#### ABSTRACT

PROBLEM TO BE SOLVED: To reduce the price of an electronic hall game machine by variably displaying the degree of a distance from the current proper timing in determining the final prize hitting when the prize hitting is decided by probability calculation, etc., as a result of a game and a player applies operation on proper timing to an input means looking at a displayed image.

SOLUTION: This electronic hall game machine is equipped with an operation switch 3 which is operated by a player and is an input means to intervene into the final decision of prize hitting or not. On an image display device 9 for the game machine, for instance, a flight simulation game that a airplane flies in a flight capable area extended obliquely upward from the airport and lands on an airport is displayed. When the player starts the game and a start signal is sent to a lottery device 2, a random number is extracted from a random number generator and compared with a prize hitting number to judge the random number is hit or not. When the number is judged to be prize hitting and the operation switch 3 is properly operated looking at the degree of distance from the current proper timing displayed image variably displayed, the prize hitting is finally decided.

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19/5/8 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05918806 \*\*Image available\*\*  
GAME MACHINE

PUB. NO.: 10-201906 [JP 10201906 A]  
PUBLISHED: August 04, 1998 (19980804)  
INVENTOR(s): TAKEMOTO TAKATOSHI  
APPLICANT(s): ACE DENKEN KK [415523] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 09-011459 [JP 9711459]  
FILED: January 24, 1997 (19970124)  
INTL CLASS: [6] A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)

#### ABSTRACT

PROBLEM TO BE SOLVED: To sufficiently satisfy a game player with an expectation and a speculative spirit by temporarily displacing an upper movable blade first from the normal closed state to the open state and then temporarily displacing a lower movable blade from the normal closed state to the open state with a delay of designated time from the normal closed state to the open state according to a command from a game control means.

SOLUTION: When a ball enters a specified prize winning hole 12, a prize winning detecting switch 12a outputs a driving signal first to a solenoid 21a of an upper movable blade of a movable prize winning device 20, and then outputs a driving signal to a solenoid 22a of a lower movable blade with a delay of designated time. 1 Whereupon, first the upper movable blade is temporarily displaced from the normal closed state to the open state, and then with a delay of designated time, the lower movable blade is also temporarily displaced from the normal closed state to the open state. Thus, the upper and lower movable blades are opened with a time difference, so that when the lower movable blade is opened, the opening and closing of the upper movable blade will not be an obstacle to guiding a ball to the long-awaited opened lower movable blade.

19/5/9 (Item 9 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05712756 \*\*Image available\*\*  
GAME MACHINE

PUB. NO.: 09-327556 [JP 9327556 A]  
PUBLISHED: December 22, 1997 (19971222)  
INVENTOR(s): IOKI SADA0  
APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 08-152433 [JP 96152433]  
FILED: June 13, 1996 (19960613)  
INTL CLASS: [6] A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD: R011 (LIQUID CRYSTALS); R116 (ELECTRONIC MATERIALS -- Light  
Emitting Diodes, LED); R131 (INFORMATION PROCESSING --  
Microcomputers & Microprocessors)

#### ABSTRACT

PROBLEM TO BE SOLVED: To hardly lose interest by making game contents rich in variety and to let a general player enjoy playing by including a 1st special play state advantageous for the player and a 2nd special plate state further advantageous in a special play state to be generated based on the generation of specified stopped display conditions.

SOLUTION: The prize winning of a game ball at an ordinary variation **prize** winning device 9 is **detected** by a special picture start switch 9b and stored in a RAM 21b and corresponding to an output signal from a driver 25, variable display is performed on a variable display part 4. When the stopped display conditions on the variable display part 4 show the 1st specified stopped display conditions based on 1st specified picture patterns and great success is generated, after the end of special play of that great success, a special picture probability varying state called the 1st specified play state is generated. Besides, the great success is generated by the 2nd specified stopped display conditions **based on** 2nd specified picture patterns different from the 1st specified picture patterns, the 2nd specified play state is generated for performing the short time control of ordinary pictures simultaneously with the special picture probability varying state.

19/5/10 (Item 10 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05273709 \*\*Image available\*\*  
GAME MACHINE

PUB. NO.: 08-229209 [JP 8229209 A]  
PUBLISHED: September 10, 1996 (19960910)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI  
APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 08-051581 [JP 9651581]  
FILED: March 08, 1996 (19960308)  
INTL CLASS: [6] A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)

#### ABSTRACT

PURPOSE: To quickly respond to abnormality by monitoring the detection signal of a detecting means which counts a ball ejected from a ball elector judging first and **second** abnormal states **based on** the fact that the abnormality occurs in the input state of the detection signal and informing of the abnormal state so as to be identified.

CONSTITUTION: When ball clogging occurs at a time when an election sensor 1 detects, for example, three balls in a controller 200 which controls a prize ball elector 20 and a ball launcher 103, etc., an ejection solenoid 1 is turned off after the lapse of prescribed time, and also, a prize ball lamp 111 is put off, and also, a malfunction display lamp 115 is flashed at a period of, for example, 400ms. Also, when the output of the election sensor 1 remains at a high level before prescribed number of **prize** balls is **detected**, the driving signal of the election solenoid 1 is set at a low level afterwards, and the malfunction display lamp 115 is flashed at a period of for example, 200ms. In this way, the cause of a defect is estimated.

19/5/11 (Item 11 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05213056 \*\*Image available\*\*  
PACHINKO GAME MACHINE

PUB. NO.: 08-168556 [JP 8168556 A]  
PUBLISHED: July 02, 1996 (19960702)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI  
APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),

JP (Japan)  
APPL. NO.: 07-184574 [JP 95184574]  
FILED: June 16, 1995 (19950616)  
INTL CLASS: [6] A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD: R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)

#### ABSTRACT

PURPOSE: To cancel the problem of enabling a change into any specified play state because of illegal action such as detaching a count detector or cutting a lead wire by changing the machine into the special play state only when there is a detecting signal from the count detector on the condition that a ball gets a prize at a special prize winning port.

CONSTITUTION: Specified prize winning ports 8 and 9 are arranged inside the game area on a game panel 2 and a fluctuation prize winning device 1 provided with open/close wings and a special prize winning port 19 is arranged. When hit balls get prizes at the specified prize winning ports 8 and 9, the open/close wings are changed into an opened state once or twice and at such a time, when it is **detected** by a special **prize** winning **detector** that the hit balls enters the fluctuation prize winning device 1 while being guided through the open/close wings and get a prize at the special prize winning port 19, **initial** wait time is started. **Next**, on the condition that the prize winning ball into the special **prize** winning port 19 is continuously **detected** by the count detector, the machine is changed into the special play state after the end of initial wait time and changed into execution time to continuously open/close the open/close wings 18 times at a maximum.

19/5/12 (Item 12 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04787536 \*\*Image available\*\*  
CONTROL DEVICE FOR GAME MACHINE

PUB. NO.: 07-080136 [JP 7080136 A]  
PUBLISHED: March 28, 1995 (19950328)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI  
APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 05-230507 [JP 93230507]  
FILED: September 16, 1993 (19930916)  
INTL CLASS: [6] A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD: R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED);  
R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)

#### ABSTRACT

PURPOSE: To precisely enable the occurrence of the special game condition without any influence of noise and radio wave by providing first and second **detecting** means for **detecting prize** winning of a game medium on the downstream side of special prize winning port, and generating the special game condition according to a detection signal of each detecting means.

CONSTITUTION: In this Japanese pinball game (pachinko) machine, input from a starting switch 17, a variable starting switch 18, first and second right occurrence switches 28, 33, a count switch 38 and the like is determined by a CPU 46 for honor prize, and when the **preceding** (one scanning before) input and **subsequently** this time input are given from the same switch, the input is taken to be effective, and **prize** winning in the switch is **determined**. When **prize** winning in the starting switch 17 is **determined**, the **prize** winning is stored, and according to the storage, the starting operation start of a variable display device 11 is commanded. When prize winning in the first right occurrence switch 28 is determined, a timer is



operated, and after that, when prize winning in the second right occurrence switch 33 is determined during designated effective period, a bonanza operation is commanded.

19/5/13 (Item 13 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04775424 \*\*Image available\*\*  
BOUNCING BALL GAME MACHINE

PUB. NO.: 07-068024 [JP 7068024 A]  
PUBLISHED: March 14, 1995 (19950314)  
INVENTOR(s): UGAWA SHOHACHI  
APPLICANT(s): SANKYO KK [470675] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 06-117247 [JP 94117247]  
FILED: May 30, 1994 (19940530)  
INTL CLASS: [6] A63F-007/02; A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD: R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED);  
R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)

#### ABSTRACT

PURPOSE: To facilitate the releasing of the state of disabling a game by a method wherein abnormality is judged to occur to disable the game if no **prize** ball is **detected** when a specified time passes after a variable winning ball device turns to the **first** state **following** the detection of the generation of a specified game state while the state of disabling the game is released when any winning ball is detected by a winning ball detection means.

CONSTITUTION: When the generation of a specified game state is **detected**, a variable **prize** device turns to the first state profitable for players. Then, when a specified number of winning balls are detected by a winning ball **detection** means 30, the variable **prize** ball device shifts to the second state. In this case, if no winning ball is detected with a 10 count detection switch 32 even when a specified time passes after the variable winning ball device turned to the first state, abnormality is judged to occur and the game is forced to be disabled. Thereafter, when any winning ball is detected with the 10 count detection switch 32, the state of disabling the game is released.

19/5/14 (Item 14 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04767304 \*\*Image available\*\*  
SLOT MACHINE

PUB. NO.: 07-059904 [JP 7059904 A]  
PUBLISHED: March 07, 1995 (19950307)  
INVENTOR(s): ISHIDA NORIO  
APPLICANT(s): SAMMY IND CO LTD [472039] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 05-209806 [JP 93209806]  
FILED: August 25, 1993 (19930825)  
INTL CLASS: [6] A63F-005/04; A63F-005/04  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)

#### ABSTRACT

PURPOSE: To provide a slot machine wherein an actual prize mode generation probability can be approximated to a theoretical value by impartially **determining** a **prize** mode generation probability.

CONSTITUTION: A slot machine is provided with a first sampling means 90 for specifying a first random numerical value among random numbers generated by a first random number generating means 80 and a second sampling means 91 for specifying a second random numerical value among random numbers generated by a second random number generating means 81 which generates random numbers different from those generated by the first random number generating means 80. It is also provided with a probability drawing means 100 for **determining** a **prize** mode generation probability based on the first random numerical value specified by the first sampling means 90, and a pattern drawing means 101 for determining a stoppage pattern **based on** the **second** random numerical value specified by the second sampling means 91 under the **prize** mode generation probability **determined** by the probability drawing means 100.

19/5/15 (Item 15 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04337562 \*\*Image available\*\*  
GAME MACHINE

PUB. NO.: 05-329262 [JP 5329262 A]  
PUBLISHED: December 14, 1993 (19931214)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI  
APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 04-165501 [JP 92165501]  
FILED: June 02, 1992 (19920602)  
INTL CLASS: [5] A63F-007/02; A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD: R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)  
JOURNAL: Section: C, Section No. 1180, Vol. 18, No. 157, Pg. 63, March  
16, 1994 (19940316)

#### ABSTRACT

PURPOSE: To provide the most profitable state to a player, in the case prizewinning probability of a start port, etc., for a prescribed game of a special picture pattern fluctuation, etc., is converted to high probability.

CONSTITUTION: Based on operation reservation storage stored in the case prize-winning to a variable display device 6 and a first fluctuation prize-winning device 7 of a hit ball is detected, the variable display device 6 is operated, a process of time after **prize**-winning is **detected** is counted, and a stop picture pattern of the variable display device 6 is compared with a special stop picture pattern and decided. This game machine is provided with a CPU for generating a control signal **based on** its result and a **second** fluctuation prize-winning device 9 for converting to a special game state being profitable to a player in the case the control signal is generated, and the CPU allows the variable display device 6 to be subjected to shortening operation control based on a process of time, in the case of a prescribed game state such as a probability increase, etc., of a first fluctuation prize-winning device 7.

19/5/16 (Item 16 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04185339 \*\*Image available\*\*  
VARIABLE PRIZE DEVICE FOR JAPANESE PINBALL GAME (PACHINKO) MACHINE

PUB. NO.: 05-177039 [JP 5177039 A]  
PUBLISHED: July 20, 1993 (19930720)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI

APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 03-345582 [JP 91345582]  
FILED: December 26, 1991 (19911226)  
INTL CLASS: [5] A63F-007/02; A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD: R011 (LIQUID CRYSTALS); R116 (ELECTRONIC MATERIALS -- Light  
Emitting Diodes, LED)  
JOURNAL: Section: C, Section No. 1125, Vol. 17, No. 591, Pg. 69,  
October 28, 1993 (19931028)

#### ABSTRACT

PURPOSE: To effectively increase the occurrence probability of a specific prize and add colorful ideas to the game content in a pachinko machine shifting to a special game having a high prize rate when the preset game conditions are met and allowing to repeat the special game within the range of the specified times on condition of the occurrence of the specific prize.

CONSTITUTION: A variable prize control means T converting a prize limiting means R into the second state easy to receive game balls for a preset period when the special game conditions are met and again converting the prize limiting means R into the **second** state for a preset period **based on** the occurrence of the continuation right, a specific prize control means U temporarily converting a specific prize guiding means S into the second position easy to guide game balls, according to the preset conditions based on the conversion of the prize limiting means R into the second state, and a right generating means X generating the continuation right based on the **detection** of a specific **prize** are provided.

19/5/17 (Item 17 from file: 347)  
DIALOG(R) File 347:JAPIO  
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04170044 \*\*Image available\*\*  
PLAYING MACHINE

PUB. NO.: 05-161744 [JP 5161744 A]  
PUBLISHED: June 29, 1993 (19930629)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI  
APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 03-351578 [JP 91351578]  
FILED: December 11, 1991 (19911211)  
INTL CLASS: [5] A63F-007/02; A63F-007/02; A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD: R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)  
JOURNAL: Section: C, Section No. 1119, Vol. 17, No. 561, Pg. 70,  
October 08, 1993 (19931008)

#### ABSTRACT

PURPOSE: To correctly and easily adjust the balance of profit between a game shop and a player without adjusting obstacle members by changing the conversion condition of the second variable-prize device to the **second** state **based on** the deviation between the profit restoration ratio of the detected base value and the preset profit restoration ratio.

CONSTITUTION: An effective launch number calculating means 611 calculates the effective launch number based on the detection signals from a launch sensor 923 and a fault sensor 925, and a base calculating means 612 calculates the actual base value in play based on the **detection** signals from **prize** switches SW7-SW9 and the calculated effective launch number. A base value changing means changes the target base value in response to the output signal from a key insertion switch SW14 and the action of a set switch SW12 and displays it on a set indicator 691. A base value comparing/judging means 614 judges the difference between the calculated base value

and the target base value, and a random number group selecting means 615 selects one of prize random number value groups based on the judged result of the judging means 614 and determines the random number value.

19/5/18 (Item 18 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04023938 \*\*Image available\*\*  
PINBALL GAME MACHINE

PUB. NO.: 05-015638 [JP 5015638 A]  
PUBLISHED: January 26, 1993 (19930126)  
INVENTOR(s): UGAWA SHOHACHI  
APPLICANT(s): SANKYO KK [470675] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 03-339145 [JP 91339145]  
FILED: December 21, 1991 (19911221)  
INTL CLASS: [5] A63F-007/02; A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD: R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)  
JOURNAL: Section: C, Section No. 1066, Vol. 17, No. 285, Pg. 44, June  
02, 1993 (19930602)

#### ABSTRACT

PURPOSE: To give a feeling of large satisfaction to a player by executing driving control of a variable prize-winning ball device to a **second** state **after** a first state by generation of a specific game state, and driving it repeatedly to a first state again under a determined repeat continuation condition.

CONSTITUTION: When it is detected by a maximum value giving state detecting circuit 75 that a specific game state determined in advance is generated, a variable prize-winning ball device 30 is driven to open, and thereafter, driven to close. Subsequently, based on a fact that a repeat condition is **detected** by a **prize** -winning ball device driving circuit 76 and a continuation frequency limiting circuit 78, the variable prize-winning ball device 30 being in a closed state is driven repeatedly to an opened state again. Also, generation probability of the specific game state can be adjusted by a probability adjusting circuit. According to said constitution, excitement which follows generation of the specific game state can be given repeatedly to a player and a feeling of large satisfaction at be offered. Moreover, generation probability of the specific game state being important to a game hall can be adjusted.

19/5/19 (Item 19 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2002 JPO & JAPIO. All rts. reserv.

04023934 \*\*Image available\*\*  
PINBALL MACHINE

PUB. NO.: 05-015634 [JP 5015634 A]  
PUBLISHED: January 26, 1993 (19930126)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI  
APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 03-191249 [JP 91191249]  
FILED: July 05, 1991 (19910705)  
INTL CLASS: [5] A63F-007/02; A63F-007/02; A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JOURNAL: Section: C, Section No. 1066, Vol. 17, No. 285, Pg. 43, June  
02, 1993 (19930602)

#### ABSTRACT

PURPOSE: To enhance the interest of a game by executing a sound game, while holding the balance of profits of a game store and a player.

CONSTITUTION: The pinball machine is provided with random number tables 103, 104 in which random numbers for determining a stop picture pattern of a variable display device 4 are stored, and provided with a random number table in which random numbers for determining the stop picture pattern of an auxiliary variable display device are stored. A first random number selecting function means 118 extracts the random number for determining the stop picture pattern of the variable display device 4 by a special random number extracting means 102, based on a signal from a first random number changing state detecting means 121, and a second random number selecting function means extracts the random number for determining the stop picture pattern of the auxiliary variable display device by an ordinary random number extracting means, **based on** a signal from a **second** random number change state detecting means. Subsequently, based on the extracted random numbers, the stop picture patterns of the variable display device 4 and the auxiliary variable display device are **determined**, and a fluctuation **prize** -winning device and an auxiliary fluctuation prize-winning device are set to a first state being profitable to a player or a second state being unprofitable to him.

19/5/20 (Item 20 from file: 347)  
DIALOG(R) File 347:JAPIO  
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03828089 \*\*Image available\*\*  
PACHINKO MACHINE

PUB. NO.: 04-193189 [JP 4193189 A]  
PUBLISHED: July 13, 1992 (19920713)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI  
APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 02-321077 [JP 90321077]  
FILED: November 27, 1990 (19901127)  
INTL CLASS: [5] A63F-007/02; A63F-007/02; A63F-007/02; A63F-007/02;  
G06F-007/58  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation); 45.1  
(INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JOURNAL: Section: C, Section No. 998, Vol. 16, No. 512, Pg. 143,  
October 22, 1992 (19921022)

#### ABSTRACT

PURPOSE: To simply adjust the occurrence probability of the right of the special game obtained when balls enter special prize ports in a variable prize device during the auxiliary game by properly adjusting the conversion probability of an auxiliary change device converting the special prize ports of the variable prize device into the first state and the second state.

CONSTITUTION: When balls enter special **prize** ports 7a, 7b, special **prize detection** signal generating means 8a, 8b generate special **prize detection** signals, a variable **prize** device drive control means converts a variable prize device 6 into the second state advantageous to a player, and the auxiliary game is started. When a ball enters an auxiliary special prize port 9, an auxiliary special **prize detection** signal generating means 10 generates an auxiliary special **prize detection** signal, if the preset conditions are satisfied, auxiliary change devices 21, 22 provided on a special prize port 25 in the variable prize device 6 are converted into the second state advantageous to the player. If a ball enters the special prize port 25 during the auxiliary game when the variable prize device 6 is converted into the **second** state **based on** the special **prize detection** signal, the special game based on the control by a special game control means is started.

19/5/21 (Item 21 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03815687 \*\*Image available\*\*  
GAME MACHINE

PUB. NO.: 04-180787 [JP 4180787 A]  
PUBLISHED: June 26, 1992 (19920626)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI  
APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 02-307088 [JP 90307088]  
FILED: November 15, 1990 (19901115)  
INTL CLASS: [5] A63F-007/02; A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JOURNAL: Section: C, Section No. 994, Vol. 16, No. 490, Pg. 97,  
October 12, 1992 (19921012)

#### ABSTRACT

PURPOSE: To adjust a ratio of gain of a game shop to that of a player by providing a start-up signal generating means, a game state monitoring means, a specific game state **detecting** means, a fluctuation **prize** device, and a fluctuation prize device driving control means.

CONSTITUTION: A separate game based on a start-up signal issued from the start-up signal generating means 38 or the start-up signal issued from the game state monitoring means 52 is performed, and when a specific game state set by the separate game in advance is set, the specific game state is detected by the specific game state detecting means 49. When the specific game state detecting means 49 detects the specific game state, the fluctuation prize device driving control means 48 converts the fluctuation prize device 7 from a first state disadvantageous for the player to a **second** state advantageous for the player **based on** a prescribed condition. Thereby, it is possible to easily adjust the ratio of gain of the game shop to that of the player without changing the occurrence probability of big hit.

19/5/22 (Item 22 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03233680 \*\*Image available\*\*  
PINBALL PLAYING MACHINE

PUB. NO.: 02-209180 [JP 2209180 A]  
PUBLISHED: August 20, 1990 (19900820)  
INVENTOR(s): NIIYAMA KICHIHEI  
ITO KOJI  
APPLICANT(s): SOPHIA CO LTD [325160] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 01-031944 [JP 8931944]  
FILED: February 09, 1989 (19890209)  
INTL CLASS: [5] A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JOURNAL: Section: C, Section No. 775, Vol. 14, No. 505, Pg. 99,  
November 05, 1990 (19901105)

#### ABSTRACT

PURPOSE: To eliminate the monotonousness of a play at the time of a special play and to increase the interest of the play by holding a second right, when a second right is generated when a first right is generated, and executing a **second** special play **after** a first special play is ended.

CONSTITUTION: A first special play which is executed based on a first right

has, for instance, the contents where a cycle in which movable members 23, 23 are opened for a prescribed time is repeated up to a prescribed cycle. A **second** special play which is executed **based on a second** right has, for instance, the contents where a cycle in which the movable members 23, 23 are opened for a prescribed time, whenever a play ball is brought to prize-winning into fluctuation special **prize** -winning ports 519, 519 and **detected** by a special **prize** - winning **detector** in the **prize** -winning ports 519, 519, or under the condition that its detection memory exists is repeated by the maximum number of times. When the right of a second special play is generated in the course of a first special play, the right of a second special play is stored in an accessory controller, and a **second** special play is executed **after** a first special play is completed. Accordingly, a play can be advanced by expecting a second right, and the interest of the play at the time of a special play is increased.

19/5/23 (Item 23 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03135884 \*\*Image available\*\*  
PRIZE BALL DISCHARGE CONTROL DEVICE IN PACHINKO (JAPANESE VERTICAL PINBALL)  
MACHINE TYPE GAME PLAYER

PUB. NO.: 02-111384 [JP 2111384 A]  
PUBLISHED: April 24, 1990 (19900424)  
INVENTOR(s): NAGANO HIROTOYO  
APPLICANT(s): TOYOMARU SANGYO KK [486815] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 63-124721 [JP 88124721]  
FILED: May 20, 1988 (19880520)  
INTL CLASS: [5] A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JOURNAL: Section: C, Section No. 738, Vol. 14, No. 318, Pg. 57, July 09, 1990 (19900709)

#### ABSTRACT

PURPOSE: To eliminate busyness and complicatedness or the like, when accumulating balls in a bottom ball plate are relocated to an upper ball plate during game playing, by providing the first electromagnetic control tool operating a holding member to hold and release positions for an opening and closing member and the second electromagnetic control tool operating the opening and closing member to be reset to the original closing position being based on a **prize** ball decrease **detecting** signal in a **prize** ball discharge route.

CONSTITUTION: An electrical part is connected to a common control system and set so as to actuate the first electromagnetic control tool 68 in devices C, D being based on an individual detection signal of each switch 75, 83 of the first **prize** ball **detecting** means D and a manual control means F while so as to actuate the **second** electromagnetic control tool 63 being **based on** a detection signal of a switch 79 of the second **prize** ball **detecting** means E. Accordingly, in this **prize** ball discharge condition, though a discharge main path 51 is placed in its inside in an empty condition, the first discharge path 42 is filled in its inside with prize balls able to be maintained still serving as the game playing ball, and even when the ball is hit continuously one by one, a game can be continued over the considerable time.

19/5/24 (Item 24 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03005569 \*\*Image available\*\*  
PINBALL MACHINE

PUB. NO.: 01-303169 [JP 1303169 A]

PUBLISHED: December 07, 1989 (19891207)  
INVENTOR(s): ARAI SHIRO  
APPLICANT(s): SANKYO KK [470675] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 01-089385 [JP 8989385]  
FILED: April 07, 1989 (19890407)  
INTL CLASS: [4] A63F-007/02; A63F-007/02; A63F-007/02; A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)  
JOURNAL: Section: C, Section No. 691, Vol. 14, No. 91, Pg. 136,  
February 20, 1990 (19900220)

#### ABSTRACT

PURPOSE: To prevent the prize winning rate of the shot to a specific prize winning port from being affected by means of the prize winning rate to prize winning space by providing the specific prize winning port outside the prize winning space of the variable prize winning ball device.

CONSTITUTION: A specific **prize** winning ball **detecting** means to **detect** the **prize** winning ball entered into specific prize winning port consists of a **prize** winning ball **detector** 36c. Further, a driving control means, which drive-controls the variable prize winning ball device to a first condition based on the **detected** output of the started **prize** winning ball **detecting** means, and driving-controls the variable prize winning ball device to a first condition only during a **second** prescribed period **based** on the fact that the **detecting** output of the specific **prize** winning ball **detecting** means is derived during the driving-control period to the first condition, consists of a driving control circuit 60. Thus the title pinball machine being equipped with the variable prize winning ball device directly reflecting the adjustment result of the prize winning rate of the shot ball to the specific prize winning port to the prize winning rate can be presented.

19/5/25 (Item 25 from file: 347)

DIALOG(R)File 347:JAPIO

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03001977 \*\*Image available\*\*  
PINBALL MACHINE

PUB. NO.: 01-299577 [JP 1299577 A]  
PUBLISHED: December 04, 1989 (19891204)  
INVENTOR(s): NAKAJIMA KENKICHI  
APPLICANT(s): HEIWA CORP [415648] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 63-128539 [JP 88128539]  
FILED: May 27, 1988 (19880527)  
INTL CLASS: [4] A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JOURNAL: Section: C, Section No. 690, Vol. 14, No. 86, Pg. 56,  
February 19, 1990 (19900219)

#### ABSTRACT

PURPOSE: To make a player enjoy a fresh game and enhance the expectation of prize winning by opening a first prize-winning device based on the result of a separate game, opening a **second** prize-winning device **based** on the prize-winning result of the first prize-winning device, storing the prize winning of this second prize winning device, and opening a third prize winning device based on this memory.

CONSTITUTION: A plurality of pattern indicators 11 of a separate game device 4 are convertingly indicating mutually different patterns in an ordinary condition. As a shot ball jumps into a pattern stopping port 12, the patterns are stopped while increasing brightness in order and, when the stopped same patterns are laterally aligned, first prize-winning devices 5 are intermittently opened as a success. A ball which jumped in while the



first prize winning devices 5 are opened is introduced into the passage portion 38 of a second prize-winning device 6 through a back interlocked chute 67 and, at the time of passing through the passage portion 38, it operates a returning member 43 to open the second prize-winning device 6. When a ball jumps into the second prize winning-device 6, an operating switch 73 as a **prize -winning detecting** means 53 is turned on and a detecting circuit 74 sends out this to a memory circuit 75 to store +1 by the memory circuit 75. This stored value is the unit of the number of times for opening a third prize-winning device 7.

19/5/26 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014546586 \*\*Image available\*\*

WPI Acc No: 2002-367289/200240

XRPX Acc No: N02-286817

**Prize providing system for user of portable communication terminal, reduces price of goods based on received payment data which is estimated with respect to prize information**

Patent Assignee: SANDEN CORP (SAOE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002049957	A	20020215	JP 2000237251	A	20000804	200240 B

Priority Applications (No Type Date): JP 2000237251 A 20000804

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002049957	A		7	G07F-009/00	

JP 2002049957 A 7 G07F-009/00

Abstract (Basic): JP 2002049957 A

NOVELTY - A **prize provision determining** unit estimates the goods which is delivered as a prize to a user based on specific conditions and the demand received from a portable terminal (100). The ID data of a vending machine (500), is input into a portable communication terminal based on the estimation result. A payment unit **reduces the price** of goods based on the payment data received through network with respect to the estimated prize data.

USE - For providing prize to user of portable communication terminal.

ADVANTAGE - Enables delivering prize to customer quickly.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the prize providing system. (Drawing includes non-English language text).

Portable communication terminal (100)

Vending machine (500)

pp; 7 DwgNo 1/5

Title Terms: PRIZE; SYSTEM; USER; PORTABLE; COMMUNICATE; TERMINAL; REDUCE; PRICE; GOODS; BASED; RECEIVE; PAY; DATA; ESTIMATE; RESPECT; PRIZE; INFORMATION

Derwent Class: T01; W01

International Patent Class (Main): G07F-009/00

International Patent Class (Additional): G06F-017/60; G07G-001/12;

H04M-003/42; H04M-011/00

File Segment: EPI

19/5/27 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014318074 \*\*Image available\*\*

WPI Acc No: 2002-138776/200218

XRPX Acc No: N02-104535

**Compensation providing apparatus for e-commerce through network communication system, monitors individual participating in advertisement**

and determines amount of compensation/reward/ rebate /incentive earned  
by individual

Patent Assignee: JOAO R A (JOAO-I)

Inventor: JOAO R A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010056374	A1	20011227	US 2000213331	P	20000622	200218 B
			US 2001886228	A	20010621	

Priority Applications (No Type Date): US 2000213331 P 20000622; US  
2001886228 A 20010621

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010056374	A1		48	G06F-017/60	Provisional application US 2000213331

Abstract (Basic): US 20010056374 A

NOVELTY - A processor (10) selects identified advertisement information and transmits to a communication device (20) of a requesting individual, for placing a purchase order of good/product/service. The processor monitors the individual participating in the advertisement, **determines** an amount of compensation/reward/ **rebate** /incentive earned by the individual, for **reducing** purchase **price** and lease price associated with the order.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for compensation provision method.

USE - For providing compensation to individuals participating in advertisements such as surveys like video survey, audio survey, polling, questionnaire for electronic commerce through network communication system, telephone communication system, cellular communication system, digital communication system, personal communication system, personal communication service system, satellite communication system, third generation communication system, broadband communication system, low earth orbiting satellite system and public switch telephone system.

ADVANTAGE - The selling and buying parties at the same time are allowed to transact, so as to receive benefits offered by the system.

DESCRIPTION OF DRAWING(S) - The figure shows the compensation providing apparatus.

Processor 10

Communication device 20

Dwg.1/10

Title Terms: COMPENSATE; APPARATUS; THROUGH; NETWORK; COMMUNICATE; SYSTEM;  
MONITOR; INDIVIDUAL; PARTICIPATING; ADVERTISE; DETERMINE; AMOUNT;  
COMPENSATE; REWARD; REBATE; INDIVIDUAL

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

19/5/28 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014072460 \*\*Image available\*\*

WPI Acc No: 2001-556673/200162

XRPX Acc No: N01-413600

**Fun hunt yard game enables number of players to follow clues to win a prize using player's clue grid, game map showing object to be located, and colored clue sheets**

Patent Assignee: BEAL L (BEAL-I); WESTFALL L (WEST-I)

Inventor: BEAL L; WESTFALL L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6273425	B1	20010814	US 99465334	A	19991217	200162 B

Priority Applications (No Type Date): US 99465334 A 19991217

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6273425 B1 9 A63B-071/02

Abstract (Basic): US 6273425 B1

NOVELTY - The fun hunt game has instructional clues written on colored sheets of paper in a sequence from 1 to 6, followed by a final clue and a prize sheet. Each player is given a single color at the beginning of the game. The instructional clues on each color lead a player from one clue stop to the **next**. The clues will **lead** the player to objects (1-12) currently in the house or yard which are separated over a distance. Clue sheets are taped to each of these objects, with each clue giving the player instructions to the next object. A final clue has a number on it which corresponds to a number on a prize. The prizes are awarded when the player follows all of the clues to the final clue and prize table. It is helpful to assist the host in creating each player's path to have a grid outlining the path which each player is to follow. It is also helpful to draw a map of the objects to assist the host in allowing distances between the objects to enable the greatest movement of the player from clue to clue.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for methods of preparing and playing a hunting game.

USE - Fun hunt game to be played in a yard or house in which player must follow clues to **find** objects and win a **prize**.

ADVANTAGE - Game is easy to play by any number of players and game can be played in limited area that can be easily supervised by one or two adults.

DESCRIPTION OF DRAWING(S) - The drawings show a map disclosing the objects to be located, a player's grid utilized in preparing the game and a flow chart depicting the method used to play the game.

Objects in playing area (1-12)

back porch (1)

tree (2)

birdbath (3)

flower pot (4)

swing set (5)

toy dump truck (8)

back gate (10)

flower bed (12)

pp; 9 DwgNo 1-3/6

Title Terms: FUN; HUNTING; YARD; GAME; ENABLE; NUMBER; PLAY; FOLLOW;

WINNING; PRIZE; PLAY; GRID; GAME; MAP; OBJECT; LOCATE; SHEET

Derwent Class: P36

International Patent Class (Main): A63B-071/02

File Segment: EngPI

19/5/29 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013775191 \*\*Image available\*\*

WPI Acc No: 2001-259402/200127

XRPX Acc No: N01-185076

**Advertising support for telecommunications network involves making intelligent network call before establishing connection from caller to called subscriber to perform short advertisement**

Patent Assignee: ALCATEL (COGE )

Inventor: HAEGEBARTH F

Number of Countries: 025 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1073287	A2	20010131	EP 2000440213	A	20000717	200127 B
DE 19935708	A1	20010201	DE 1035708	A	19990729	200127

Priority Applications (No Type Date): DE 1035708 A 19990729

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1073287 A2 G 5 H04Q-003/00

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI  
DE 19935708 A1 H04M-003/487

Abstract (Basic): EP 1073287 A2

NOVELTY - The method involves making an intelligent network or IN call before establishing a connection from the caller (1) to the called subscriber (2) to perform a short, e.g. 30 second, advertisement. An IN server (3) or other network component **determines** the caller's number and **awards** a credit for the advertisement, e.g. a free minute of speech.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for an IN (intelligent network) server for implementing the method.

USE - For supporting advertising for a telecommunications network.

ADVANTAGE - A method acceptable to telephone customers is achieved for incorporating advertising and **reducing charges**.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic representation of a call via an IN server

caller (1)

called subscriber (2)

IN server (3)

pp; 5 DwgNo 1/1

Title Terms: ADVERTISE; SUPPORT; TELECOMMUNICATION; NETWORK; INTELLIGENCE; NETWORK; CALL; ESTABLISH; CONNECT; CALL; CALL; SUBSCRIBER; PERFORMANCE; SHORT; ADVERTISE

Derwent Class: P85; W01

International Patent Class (Main): H04M-003/487; H04Q-003/00

International Patent Class (Additional): G09F-025/00; H04M-011/00

File Segment: EPI; EngPI

19/5/30 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013232899 \*\*Image available\*\*

WPI Acc No: 2000-404773/200035

Related WPI Acc No: 1999-564856; 2000-357953; 2000-526945; 2001-064902;

2001-085348; 2001-106549; 2001-106550; 2001-106551; 2001-106552;

2001-106561; 2001-106562; 2001-106563; 2001-106564; 2001-127527;

2001-220622; 2001-248485; 2001-248486; 2001-248502; 2001-248503;

2001-303047

XRPX Acc No: N00-303322

**Pachinko machine has unit to control special variable display device, based on prize winning ball detection output**

Patent Assignee: SANKYO CO LTD (SANY )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000140293	A	20000523	JP 99338089	A	19900816	200035 B
			JP 200030	A	19900816	

Priority Applications (No Type Date): JP 99338089 A 19900816; JP 200030 A 19900816

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000140293	A	20	A63F-007/02	Div ex application JP 99338089

Abstract (Basic): JP 2000140293 A

NOVELTY - An average variable prize winning apparatus (4) which includes special prize winning area (52), changes the condition in advantage of player, until establishment of preset regulation condition at the apparatus (4), when preset discriminative information is displayed in a display (2). A display controller controls display device (1), based on **prize winning ball detection** output.

DETAILED DESCRIPTION - A variable display device (2) displays variety of discriminative information, based on **prize winning**

**detection** output. A controller stops the device (2), based on preset stoppage conditions. A special variable display device (1) displays variety of discriminative information at special start prize winning area, based on **prize winning detection**. A display controller stops the device (1), based on preset stoppage conditions. A driving controller switches or special variable prize winning ball apparatus (3) to preset condition, until establishment of preset regulation conditions, when specific discriminative information is displayed during stoppage of device (1). A ball **detector detects prize** winning ball at specific **prize** winning area in apparatus (3). After completion of first condition, the apparatus (3) is switched to **second** condition, **based on** detection output of ball detector, and specific controller switches the apparatus to first condition.

USE - For generating great success condition for player in pachinko machine, coin game machine.

ADVANTAGE - Due to provision of special and normal variable display devices, interest in game is enhanced.

DESCRIPTION OF DRAWING(S) - The figure shows front elevation of game area in pachinko machine.

Device (1)

Variable display device (2)

Ball apparatus (3)

Average variable prize winning apparatus (4)

Special prize winning area (52)

pp; 20 DwgNo 1/11

Title Terms: MACHINE; UNIT; CONTROL; SPECIAL; VARIABLE; DISPLAY; DEVICE; BASED; PRIZE; WINNING; BALL; DETECT; OUTPUT

Derwent Class: P36; T01; T05; W04

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

19/5/31 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013139656 \*\*Image available\*\*

WPI Acc No: 2000-311528/200027

XRPX Acc No: N00-234026

**Expenditure control system of pachinko ball in a pachinko game machine**

Patent Assignee: SANYO BUSSAN KK (SANY-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000093612	A	20000404	JP 98267967	A	1998092	200027 B

Priority Applications (No Type Date): JP 98267967 A 19980922

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000093612	A	8	A63F-007/02	

Abstract (Basic): JP 2000093612 A

NOVELTY - A CPU (23) responds to the output signal of a winning **prize ball detector** (66) to control the driving of a prize ball emission motor (68) and to discharge a prize ball. When a winning prize ball exists continuously, the prize ball opposing the following winning prize ball is discharged in succession before completing the discharge of prize ball **following the first** winning prize ball.

USE - Used in pachinko game machine.

ADVANTAGE - Ensures quick discharge of prize balls when there are several winning prize balls.

DESCRIPTION OF DRAWING(S) - The figure is a block diagram showing the electric components of a pachinko game machine.

CPU (23)

Winning **prize ball detector** (66)

Prize ball emission motor (68)

pp; 8 DwgNo 3/9

Title Terms: EXPENDABLE; CONTROL; SYSTEM; BALL; GAME; MACHINE

Derwent Class: P36  
International Patent Class (Main): A63F-007/02  
File Segment: EngPI

19/5/32 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012197119 \*\*Image available\*\*  
WPI Acc No: 1999-003225/199901  
XRPX Acc No: N99-002613

**Prize winning ball processor in pachinko machine - has ball detector provided above second stopper of flicker with detecting portion positioned at lower central part so as not to detect following prize winning ball**

Patent Assignee: ADACHI LIGHT KOGYOSHO KK (ADAC-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10277226	A	19981020	JP 97106653	A	19970408	199901 B

Priority Applications (No Type Date): JP 97106653 A 19970408

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10277226	A		6	A63F-007/02	

Abstract (Basic): JP 10277226 A

The processor has a prize winning ball path (14) guiding a prize winning ball in single tier. A detector (18) detects the ball in the path and outputs a paying-out signal to a paying-out apparatus (15). On receipt of a completion signal from the paying-out apparatus, a solenoid (17) rotates a flicker (16) to first or second position. The flicker catches the leading ball at the first position with a first stopper (22).

By rotating, the ball is ejected to an ejection path. A second stopper (23) is provided to drop a **following** ball to the **first** stopper on rotating the flicker from the second to first position. The ball detector is positioned above the second stopper. A detecting portion is positioned at a lower central part so as not to detect the following ball.

ADVANTAGE - Prevents chattering phenomenon. Prevents detection error reliably.

Dwg.3/7

Title Terms: PRIZE; WINNING; BALL; PROCESSOR; MACHINE; BALL; DETECT; ABOVE; SECOND; STOPPER; FLICKER; DETECT; PORTION; POSITION; LOWER; CENTRAL; PART ; SO; DETECT; FOLLOW; PRIZE; WINNING; BALL

Derwent Class: P36  
International Patent Class (Main): A63F-007/02  
File Segment: EngPI

19/5/33 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011970910  
WPI Acc No: 1998-387820/199833  
XRPX Acc No: N98-302426

**Lottery game - sells lottery certificates with travel tickets and pays winnings first to delayed passengers and then has draw of all other players to determine further winners**

Patent Assignee: GORODKOV YU S (GORO-I); GORODKOV J S (GORO-I)  
Inventor: GORODKOV YU S; GORODKOV J S  
Number of Countries: 022 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9829170	A1	19980709	WO 97RU399	A	19971205	199833 B

RU 2113262 C1 19980620 RU 96124671 A 19961230 199953

Priority Applications (No Type Date): RU 96124671 A 19961230

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9829170 A1 R 12 A63F-003/06

Designated States (National): CN JP SG US

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC

NL PT SE

RU 2113262 C1 A63F-003/06

Abstract (Basic): WO 9829170 A

The lottery game consists of selling certificates to players and using the money from the sales to invest in a highly-profitable production company. The players also buy tickets for journeys supplied by another company and they are paid out winnings from the production company profits in one of two ways:

In the first stage, a player making a journey who arrives late at his destination is given financial compensation according to the value of his lottery certificate. In the second stage, a draw is made of all the certificates that have not won anything in the first stage.

ADVANTAGE - The players in the lottery are able to place greater trust in the conditions of the lottery and the way in which prizes are determined.

Dwg.0/1

Title Terms: LOTS; GAME; SELL; LOTS; CERTIFY; TRAVEL; TICKET; PAY; WINNING; FIRST; DELAY; PASSENGER; DRAW; PLAY; DETERMINE; WINNING

Derwent Class: P36

International Patent Class (Main): A63F-003/06

International Patent Class (Additional): A63F-003/08; G07C-015/00

File Segment: EngPI

19/5/34 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011916665 \*\*Image available\*\*

WPI Acc No: 1998-333575/199829

XRPX Acc No: N98-260333

Computer implemented consumer transaction point accumulation system - in which customer is provided with points for transactions at specified retailer locations that can be redeemed to receive reductions or to purchase items

Patent Assignee: CARLSON CO INC (CARL-N)

Inventor: FREDREGILL W R; SCHRUM H E

Number of Countries: 079 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9825242	A1	19980611	WO 97US22425	A	19971203	199829 B
AU 9876271	A	19980629	AU 9876271	A	19971203	199845
US 5923016	A	19990713	US 96759170	A	19961203	199934
GB 2334609	A	19990825	WO 97US22425	A	19971203	199936
			GB 9911498	A	19990518	
DE 19782148	T	20000113	DE 1082148	A	19971203	200010
			WO 97US22425	A	19971203	
US 6138911	A	20001031	US 96759170	A	19961203	200057
			US 99300151	A	19990427	
GB 2334609	B	20010307	WO 97US22425	A	19971203	200114
			GB 9911498	A	19990518	
JP 2001506024	W	20010508	WO 97US22425	A	19971203	200131
			JP 98525863	A	19971203	
MX 9905064	A1	20000601	MX 995064	A	19990601	200133
AU 740766	B	20011115	AU 9876271	A	19971203	200202

Priority Applications (No Type Date): US 96759170 A 19961203; US 99300151 A 19990427

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9825242	A1	E	24	G07G-001/14	
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW					
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 9876271	A			G07G-001/14	Based on patent WO 9825242
US 5923016	A			G06F-017/60	
GB 2334609	A			G07G-001/14	Based on patent WO 9825242
DE 19782148	T			G07G-001/14	Based on patent WO 9825242
US 6138911	A			G06F-017/60	Cont of application US 96759170 Cont of patent US 5923016
GB 2334609	B			G07G-001/14	Based on patent WO 9825242
JP 2001506024	W		39	G07G-001/12	Based on patent WO 9825242
MX 9905064	A1			G07G-001/14	
AU 740766	B			G07G-001/14	Previous Publ. patent AU 9876271 Based on patent WO 9825242

Abstract (Basic): WO 9825242 A

The transaction point accumulation system includes a system in which the customer earns and accumulates points immediately for immediate use during transactions at participating retailer outlets. At each transaction, a customer's identification number is transmitted to a host database which stores customer records including a customer balances of points accumulated to date.

The system processes each customer transaction during the customer visit to the retail outlet to **determine** points **awarded** for each transaction, and to **determine** whether the item purchased is a redeemable item for which points may be redeemed for a **reduction** of the **price** of the item.

USE - In-store points accumulation and redemption system.

ADVANTAGE - Enhances retailer's point-of-sale system with ability to assist in building customer loyalty to customers and manufacturers.

Dwg.1/2

Title Terms: COMPUTER; IMPLEMENT; CONSUME; TRANSACTION; POINT; ACCUMULATE; SYSTEM; CUSTOMER; POINT; TRANSACTION; SPECIFIED; RETAIL; LOCATE; CAN; RECEIVE; REDUCE; PURCHASE; ITEM

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60; G07G-001/12; G07G-001/14

International Patent Class (Additional): G06F-017/60

File Segment: EPI

19/5/35 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011816930 \*\*Image available\*\*

WPI Acc No: 1998-233840/199821

Related WPI Acc No: 1997-081448; 1997-081449; 1997-081450; 1997-113229; 1997-196433; 1998-172619; 1998-172620; 1998-172621; 1998-172634

XRPX Acc No: N98-185234

**Pachinko machine with prize winning ball ejection controller - includes first insertion pay out ball detector that is used in controlling required electric game apparatus provided in game area and in controlling ejection of predetermined number of prize balls**

Patent Assignee: SOFIA KK (SOFI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10071250	A	19980317	JP 9781223	A	19860718	199821 B
			JP 97112051	A	19860718	

Priority Applications (No Type Date): JP 9781223 A 19860718; JP 97112051 A 19860718

Patent Details:



Patent No Kind Lan Pg Main IPC Filing Notes  
JP 10071250 A 25 A63F-007/02 Div ex application JP 9781223

Abstract (Basic): JP 10071250 A

The machine has several prize winning openings provided in a game area such that the number of prize balls ejected corresponding to each prize winning opening is different. A first pay out ball insertion detector (94) detects the entering of a ball into a specific prize winning opening (107). A flow down guide path (10A) guides the prize winning balls from all the prize winning openings. A second pay out ball insertion detector (91) detects the prize winning balls that pass through the flow down guide path. A ball discharging unit (20) ejects a predetermined number of prize winning balls based on the operation of an electric drive source. A prize winning memory (2) stores the detection signal from the first detector.

When the memory stores a memory value based on the output of the second detector, the number of prize balls corresponding to the specific prize winning opening is decided. A number detector unit determines the number of prize balls, corresponding to the other prize winning openings, when there is no memory value stored in the memory. An updating unit sets up the number of prize balls as determined by the detector. A controller ejects the set number of prize balls by performing the drive control of the ball discharging unit. The first detector is used in controlling the required electric game area provided on the game area and in controlling the ejection of predetermined number of prize balls.

ADVANTAGE - Avoids use of detectors that detects winning of prize electrically.

Dwg.1/21

Title Terms: MACHINE; PRIZE; WINNING; BALL; EJECT; CONTROL; FIRST; INSERT; PAY; BALL; DETECT; CONTROL; REQUIRE; ELECTRIC; GAME; APPARATUS; GAME; AREA; CONTROL; EJECT; PREDETERMINED; NUMBER; PRIZE; BALL

Derwent Class: P36

International Patent Class (Main): A63F-007/02

File Segment: EngPI

19/5/36 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011770365 \*\*Image available\*\*

WPI Acc No: 1998-187275/199817

Related WPI Acc No: 1997-474506; 1998-153027; 1998-187276

XRPX Acc No: N98-149032

Game machine e.g. pachinko game machine, coin game machine - includes reset unit which resets game state to initial state, after correction of first and second abnormalities

Patent Assignee: SANKYO CO LTD (SANY )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10043378	A	19980217	JP 9787886	A	19880413	199817 B
			JP 97115738	A	19880413	

Priority Applications (No Type Date): JP 9787886 A 19880413; JP 97115738 A 19880413

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 10043378 A 31 A63F-007/02 Div ex application JP 9787886

Abstract (Basic): JP 10043378 A

The game machine includes a variable insertion ball payout unit (29) which operates either in a first state advantageous to a player or in a second state disadvantageous to the player. A game state detector detects a game success state, and the ball payout unit is operated in the first state. A ball detector detects the specific prize winning ball which enters a specific prize winning area provided at a

predetermined location in the ball payout unit. When there is a detection output from the game state detector, the payout unit is operated in the first state. When the ball detector detects a predetermined number of balls, the payout unit is switched to the second state. A controller controls the operation of payout unit in the first state, based on the operation of ball detector. A first abnormality judgment unit judges a first abnormality when there is a detection output from the ball detector for a predetermined time period.

A second abnormality judgment unit judges a second abnormality, when there is a predetermined time progress after detection output from the ball detector, during which no prize winning ball is detected. When abnormality is judged by the first and second judging units, the payout unit is prohibited from operating in the first state. Consequently, a prohibition unit forms a start area in which no movement is possible. A first abnormality dissolution unit evaluates and corrects the first abnormality. Similarly a second abnormality dissolution unit, evaluates and corrects the second abnormality. The operation of prohibition unit is released after the correction of first and second abnormalities. A game state reset unit resets the game state to an initial state.

ADVANTAGE - Enables quick interruption of game during abnormality generation. Enables restarting of game after correction of abnormalities thereby avoiding dissatisfaction to player.

Dwg.1/20

Title Terms: GAME; MACHINE; GAME; MACHINE; COIN; GAME; MACHINE; RESET; UNIT  
; RESET; GAME; STATE; INITIAL; STATE; AFTER; CORRECT; FIRST; SECOND;  
ABNORMAL

Derwent Class: P36; T01; W04

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

19/5/37 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011687423 \*\*Image available\*\*

WPI Acc No: 1998-104333/199810

XRPX Acc No: N98-083574

Ball jamming detector of ball hitting game machine as pachinko machine -  
has judgment part that detects ball jamming on game board when output  
value of ball number detection part exceeds predetermined value or when  
count value of timer exceeds regulated value

Patent Assignee: HEIWA KK (HEIW-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9327549	A	19971222	JP 96148766	A	19960611	199810 B

Priority Applications (No Type Date): JP 96148766 A 19960611

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9327549	A		20	A63F-007/02	

Abstract (Basic): JP 9327549 A

The detector includes a first detection part (36) that detects a game ball which is ejected on a game board by a ball ejection part. A second detection part (45) detects the game ball ejected from the game board surface and passing through various prize winning openings. Another detection part detects the number of balls which are piled up on the game board surface, based on the output of first and second detection parts.

A timer sets a predetermined time based on the detection output of first detection part and is reset based on the output of second detection part. A judgment part detects ball jamming on game board, when output value of ball number detection part exceeds a predetermined value or when the count value of timer exceeds a regulated value.

ADVANTAGE - Prevents jamming of balls before hand.

Dwg.2/13

Title Terms: BALL; JAMMING; DETECT; BALL; HIT; GAME; MACHINE; MACHINE; PART  
; DETECT; BALL; JAMMING; GAME; BOARD; OUTPUT; VALUE; BALL; NUMBER; DETECT  
; PART; PREDETERMINED; VALUE; COUNT; VALUE; TIME; REGULATE; VALUE

Derwent Class: P36; T01

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

19/5/38 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011306415 \*\*Image available\*\*

WPI Acc No: 1997-284320/199726

Related WPI Acc No: 1996-044177; 1996-044178; 1996-246077; 1996-246078;  
1996-406430

XRFX Acc No: N97-235360

Game machine e.g. pachinko machine in amusement arcade - has transmission  
line to send ball strike prize winning detection or operation signal  
of game apparatus and output from specific game state sensor to  
centralised control apparatus and enable calculation of large hit

Patent Assignee: SOFIA KK (SOFI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9103575	A	19970422	JP 95109816	A	19831104	199726 B
			JP 96212023	A	19831104	

Priority Applications (No Type Date): JP 95109816 A 19831104; JP 96212023 A  
19831104

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9103575	A	15	A63F-007/02	Div ex application JP 95109816

Abstract (Basic): JP 9103575 A

The machine uses a game disk formed in the game area. A specific  
game state detector detects the resulting specific game state. An  
appts. of various winning prizes controller converts the drive to the  
**second contingent** state of the detection output from the specific  
game state detector.

The detection output and the calculation of the large hit  
generation ratio are transmitted to a centralised controller of the  
pachinko machine game shop. An electric device circuit closes a data  
sending point by associating data receipt points of each kind which is  
closed by the centralised controller.

ADVANTAGE - Intensively controls replenishment instructions of all  
shop systems by keeping track of ball consumption and sales. Enables  
sales totalling by sending profit data to centralised control appts.

Dwg.1

Title Terms: GAME; MACHINE; MACHINE; AMUSE; TRANSMISSION; LINE; SEND; BALL;  
STRIKE; PRIZE; WINNING; DETECT; OPERATE; SIGNAL; GAME; APPARATUS; OUTPUT;  
SPECIFIC; GAME; STATE; SENSE; CENTRE; CONTROL; APPARATUS; ENABLE;  
CALCULATE; HIT

Derwent Class: P36; T05; W04

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

19/5/39 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011261761 \*\*Image available\*\*

WPI Acc No: 1997-239664/199722

Related WPI Acc No: 1997-015284; 1998-561113; 1999-501615; 1999-544184;  
1999-544214; 1999-544215; 1999-564866

XRFX Acc No: N97-198020

**Pachinko game machine operated by computer - has control unit provided with microprocessor, which controls game second on instruction input through microprocessor**

Patent Assignee: SANYO BUSSAN KK (SANY-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9075511	A	19970325	JP 8626096	A	19860208	199722 B
			JP 9683168	A	19860208	

Priority Applications (No Type Date): JP 8626096 A 19860208; JP 9683168 A 19860208

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9075511	A	8	A63F-007/02	Div ex application JP 8626096

Abstract (Basic): JP 9075511 A

The machine has a **prize winning detector** which **detects** a **prize** winning ball in a specific prize winning opening (54). A control device has a first microprocessor (1) which controls the advance of the game when a prize winning ball in the specific **prize** winning opening is **detected**. A second microprocessor (2) performs generation of a random number, determination of hit mode, generation of display and output of an audio signal.

The **second** microprocessor generates a random number **based on** a signal from the first microprocessor. Determined hit modes such as 'great success' are assigned to the generated random numbers. The display and audio output of the hit mode is performed.

ADVANTAGE - Facilitates program development. Provides parallel **detection** of **prize** winning ball in specific prize winning opening and large **prize** winning opening. Provides **determination** of phenomenon influenced by nature independent to advance of game. Simplifies mfg process.

Dwg.1

Title Terms: GAME; MACHINE; OPERATE; COMPUTER; CONTROL; UNIT; MICROPROCESSOR; CONTROL; GAME; SECOND; INSTRUCTION; INPUT; THROUGH; MICROPROCESSOR

Derwent Class: P36; T01; W04; X26

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

19/5/40 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011218508 \*\*Image available\*\*

WPI Acc No: 1997-196433/199718

Related WPI Acc No: 1997-081448; 1997-081449; 1997-081450; 1997-113229;

1998-172619; 1998-172620; 1998-172621; 1998-172634; 1998-233840

XRFX Acc No: N97-162294

**Ball flipping game machines e.g. pachinko game machine - locates second sensor to detect flowing prize winning ball in arbitrary position downstream of first sensor and has dischargeable rise ball expelling unit**

Patent Assignee: SOFIA KK (SOFI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9051974	A	19970225	JP 96187399	A	19860718	199718 B
			JP 96215547	A	19860718	

Priority Applications (No Type Date): JP 96187399 A 19860718; JP 96215547 A 19860718

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9051974	A	24	A63F-007/02	Div ex application JP 96187399

Abstract (Basic): JP 9051974 A

The game machines strikes a ball towards a game area. A strike wins

a prize if the ball lands in the winning area. A first sensor (94) detects a prize winning ball and outputs a first electric signal. A second sensor (91) located on the downstream side of the first sensor detects a flowing prize winning ball and outputs a second electric signal. Based on the second signal, after passing a necessary prize balls, a channel on the downstream side is switched a dischargeable ball expelling unit, which is an electric driving source.

A channel switching unit (60) for setting to a dischargeable state is provided outside the game machine for the player. Prize balls of a necessary number are provided by the electric driving source.

ADVANTAGE - Improves degree of freedom of machine design. Enables reliable detection and extraction of all winning balls accurately.

Dwg.1/21

Title Terms: BALL; FLIP; GAME; MACHINE; GAME; MACHINE; LOCATE; SECOND; SENSE; DETECT; FLOW; PRIZE; WINNING; BALL; ARBITRARY; POSITION; DOWNSTREAM; FIRST; SENSE; DISCHARGE; RISE; BALL; EXPEL; UNIT

Derwent Class: P36; W04

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

19/5/41 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011103524 \*\*Image available\*\*

WPI Acc No: 1997-081449/199708

Related WPI Acc No: 1997-081448; 1997-081450; 1997-113229; 1997-196433; 1998-172619; 1998-172620; 1998-172621; 1998-172634; 1998-233840

XRPX Acc No: N97-067525

Ball-flipping game machine e.g. pachinko machine - sets number of prize balls in game balls given to specific winning prize opening smaller than prize balls in game balls given to winning prize variation appts.

Patent Assignee: SOFIA KK (SOFI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8323006	A	19961210	JP 93176630	A	19860718	199708 B
			JP 96155595	A	19860718	

Priority Applications (No Type Date): JP 93176630 A 19860718; JP 96155595 A 19860718

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8323006	A		26	A63F-007/02	Div ex application JP 93176630

Abstract (Basic): JP 8323006 A

The machine has a prize storage device in a central processing unit (200') which stores the result from a winning prize ball detector (91). An expelling number setting unit sets the number of prize balls which should be expelled from a prize ball expelling appts. (20). The numerical value of the prize ball given to a specific winning prize opening is set based on the detection signal from a second winning prize ball detector (94), if the storage device has a storage value.

The numerical value of the prize ball given to a winning prize variation appts. is set when there is no storage value in the storage device. The prize balls are expelled by operating the expelling appts. through an expelling executing unit. The prize ball expelled to the specific opening is deducted by a winning prize subtraction storage device from one of the storage value in the storage device. The number of prize balls in game balls given to the specific opening is set smaller than prize balls in the game balls given to variation appts.

ADVANTAGE - Accurately expels predetermined number of prize balls. Has simple operation control.

Dwg.11/21

Title Terms: BALL; FLIP; GAME; MACHINE; MACHINE; SET; NUMBER; PRIZE; BALL; GAME; BALL; SPECIFIC; WINNING; PRIZE; OPEN; SMALLER; PRIZE; BALL; GAME; BALL; WINNING; PRIZE; VARIATION; APPARATUS

Index Terms/Additional Words: CPU  
Derwent Class: P36; T05; W04  
International Patent Class (Main): A63F-007/02  
File Segment: EPI; EngPI

19/5/42 (Item 17 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011103523 \*\*Image available\*\*  
WPI Acc No: 1997-081448/199708  
Related WPI Acc No: 1997-081449; 1997-081450; 1997-113229; 1997-196433;  
1998-172619; 1998-172620; 1998-172621; 1998-172634; 1998-233840  
XRPX Acc No: N97-067524

**Ball-flipping game machine e.g. pachinko machine - has winning prize subtraction storage unit which deducts prize ball given to specific winning prize opening from one of storage value in winning prize storage device in central processing unit**

Patent Assignee: SOFIA KK (SOFI-N)  
Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8323005	A	19961210	JP 93176630	A	19860718	199708 B
			JP 96155586	A	19860718	

Priority Applications (No Type Date): JP 93176630 A 19860718; JP 96155586 A 19860718

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8323005	A		29	A63F-007/02	Div ex application JP 93176630

Abstract (Basic): JP 8323005 A

The machine has a winning prize storage device in a central processing unit (200') which stores the **detection** result from a ball winning **prize detector** (91). An expelling number setting unit sets the number of prize balls which should be expelled from a prize ball expelling appts. (20). The predetermined numerical value of the prize ball given to a specific winning prize opening is set **based** on the **detection** signal from a **second winning prize detector** (94), when there is storage value in the storage device.

The predetermined numerical value of the prize ball given to a winning prize variation appts. is set in the setting unit when there is no storage value in the storage device. The prize balls are expelled by operating the expelling appts. through an expelling executing unit. The prize ball expelled to the specific winning prize opening is deducted by a winning prize subtraction storage device from one of the storage value in the storage device.

ADVANTAGE - Accurately expels certain prize ball in pachinko game machine since it expels only set number of prize ball to expelling executing unit. Has simple operation control.

Dwg.11/21

Title Terms: BALL; FLIP; GAME; MACHINE; MACHINE; WINNING; PRIZE; SUBTRACT; STORAGE; UNIT; DEDUCT; PRIZE; BALL; SPECIFIC; WINNING; PRIZE; OPEN; ONE; STORAGE; VALUE; WINNING; PRIZE; STORAGE; DEVICE; CENTRAL; PROCESS; UNIT

Index Terms/Additional Words: CPU  
Derwent Class: P36; T05; W04  
International Patent Class (Main): A63F-007/02  
File Segment: EPI; EngPI

19/5/43 (Item 18 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011037360 \*\*Image available\*\*  
WPI Acc No: 1997-015284/199702  
Related WPI Acc No: 1997-239664; 1998-561113; 1999-501615; 1999-544184;

1999-544214; 1999-544215; 1999-564866  
XRPX Acc No: N97-013152

**Pachinko machine using computer for amusement - has second microprocessor which performs processing of hit mode based on natural phenomenon occurring independent of advance of game**

Patent Assignee: SANYO BUSSAN KK (SANY-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8280891	A	19961029	JP 8626096	A	19860208	199702 B
			JP 9683378	A	19860208	

Priority Applications (No Type Date): JP 8626096 A 19860208; JP 9683378 A 19860208

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8280891	A	10	A63F-007/02	Div ex application JP 8626096

Abstract (Basic): JP 8280891 A

The machine has a **prize winning detector** which **detects** a **prize winning ball** in a specific prize winning opening (54). A control device has a first microprocessor (1) which controls the advance of the game when a prize winning ball in the specific **prize winning opening** is **detected**. A second microprocessor (2) performs generation of a random number, determination of hit mode, generation of display and output of an audio signal.

The **second** microprocessor generates a random number **based on** a signal from the first microprocessor. Determined hit modes such as 'great success' are assigned to the generated random numbers. The display and audio output of the hit mode is performed.

ADVANTAGE - Facilitates program development. Provides parallel **detection** of **prize winning ball** in specific prize winning opening and large **prize winning opening**. Provides **determination** of phenomenon influenced by nature independent to advance of game. Simplifies mfg process.

Dwg.1/11

Title Terms: MACHINE; COMPUTER; AMUSE; SECOND; MICROPROCESSOR; PERFORMANCE; PROCESS; HIT; MODE; BASED; NATURAL; PHENOMENON; OCCUR; INDEPENDENT; ADVANCE; GAME

Derwent Class: P36; T01; W04

International Patent Class (Main): A63F-007/02

International Patent Class (Additional): G06F-019/00

File Segment: EPI; EngPI

19/5/44 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010983258 \*\*Image available\*\*

WPI Acc No: 1996-480207/199648

XRPX Acc No: N96-405012

**Ball flipping game machine e.g. pachinko machine - has judgement part which judges that abnormality has occurred in second detector which detects prize winning state, if detector does not detect output within predetermined time**

Patent Assignee: SOFIA KK (SOFI-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8243222	A	19960924	JP 93282901	A	19850207	199648 B
			JP 9665836	A	19850207	

Priority Applications (No Type Date): JP 93282901 A 19850207; JP 9665836 A 19850207

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8243222	A	18	A63F-007/02	Div ex application JP 93282901

Abstract (Basic): JP 8243222 A

The game machine comprises a first detector, which detects the specified game state. A second detector detects whether a convertible appts is in the second state which is a prize winning state. The appts is changed to the **second state, based on** the output of the first detector.

A drive control part makes the appts attain first state, when the number of balls detected by the second detector becomes equal to predetermined number. A judgment part judges that the abnormality has occurred in the second detector, if it does not output the result within a predetermined time.

ADVANTAGE - Prevents inconvenience by biasing more profit only to superb ball hitting person, thereby providing impartial game service. Prevents trouble between player and game centre. Enables detecting abnormality in second detector, satisfactorily.

Dwg.1/15

Title Terms: BALL; FLIP; GAME; MACHINE; MACHINE; JUDGEMENT; PART; JUDGEMENT ; ABNORMAL; OCCUR; SECOND; DETECT; DETECT; PRIZE; WINNING; STATE; DETECT; DETECT; OUTPUT; PREDETERMINED; TIME

Derwent Class: P36; W04

International Patent Class (Main): A63F-007/02

File Segment: EPI; EngPI

19/5/45 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010844808 \*\*Image available\*\*

WPI Acc No: 1996-341761/199634

XRPX Acc No: N96-287689

Computer assisted system for multi-level incentive program - has computer data processing device which automatically applies at least software program with performance data to determine resulting award information to store in selection of storage areas associated with identifier

Patent Assignee: FIRST MARKETTRUST INT (FIRS-N)

Inventor: KANTER M W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5537314	A	19960716	US 94229390	A	19940418	199634 B
			US 95393508	A	19950223	

Priority Applications (No Type Date): US 94229390 A 19940418; US 95393508 A 19950223

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5537314	A		18	G06F-157/00	Cont of application US 94229390

Abstract (Basic): US 5537314 A

The system has a computer data storage memory for storing computer data. A computer data entry device registers at least performance data associated with the associated participant. A computer data processing device automatically applies at least the software program with the performance data to **determine** resulting **award** information to store in the selection of storage areas associated with the identifier.

A conveying device communicates the award information appearing in at the selection of storage areas so as to be received by one of the participants who is other than the associated participant. A receiving device receives the award information appearing in the selection of storage areas associated with the identifier.

ADVANTAGE - **Reduces** need for **coupon** printing and collecting as participant can have rebates automatically applied to their accounts.

Dwg.1/1

Title Terms: COMPUTER; ASSIST; SYSTEM; MULTI; LEVEL; PROGRAM; COMPUTER; DATA; PROCESS; DEVICE; AUTOMATIC; APPLY; SOFTWARE; PROGRAM; PERFORMANCE; DATA; DETERMINE; RESULT; AWARD; INFORMATION; STORAGE; SELECT; STORAGE;



AREA; ASSOCIATE; IDENTIFY  
Derwent Class: T01  
International Patent Class (Main): G06F-157/00  
File Segment: EPI

19/5/46 (Item 21 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010765807  
WPI Acc No: 1996-262761/199627  
XRPX Acc No: N96-220969

**Game machine e.g. pachinko machine - in which corresponding number of balls, are subtracted from storage contents**

Patent Assignee: SOFIA KK (SOFI-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8107968	A	19960430	JP 87150704	A	19870616	199627 B
			JP 95195247	A	19870616	

Priority Applications (No Type Date): JP 87150704 A 19870616; JP 95195247 A 19870616

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8107968	A	16	A63F-007/02	Div ex application JP 87150704

Abstract (Basic): JP 8107968 A

The game machine includes a detection part which detects the winning balls in specific winning state. A composite flume gathers all the **detected** balls. A second **prize detection** unit **detects** the specific winning balls. An exhaust part egresses the balls. A control part controls the exhaust part, so that predetermined number of balls are exhaust, **based on** the result from the **second** detection part.

A storage part stores the number of winning balls, based on the output from the first detector. When the number of stored balls, becomes zero and when the detection signal from the second detection part is input, predetermined number of balls are egressed. When the storage value is equal to one, the balls are fed to prize winning opening part. The corresponding number of balls, is subtracted from the storage contents.

ADVANTAGE - Employs effective technology. Increases game winning rate.

Dwg.0/9

Title Terms: GAME; MACHINE; MACHINE; CORRESPOND; NUMBER; BALL; SUBTRACT; STORAGE; CONTENT

Derwent Class: P36; W04  
International Patent Class (Main): A63F-007/02  
File Segment: EPI; EngPI

19/5/47 (Item 22 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008278524 \*\*Image available\*\*  
WPI Acc No: 1990-165525/199022  
XRPX Acc No: N90-128493

**Sales data processing appts. for rebates - allows rebates to be summed and applied to purchases in various ways to avoid handling fractional change**

Patent Assignee: TERAOKA SEIKO CO LTD (TERA )  
Inventor: MORI K  
Number of Countries: 006 Number of Patents: 004  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 370847	A	19900530	EP 89402995	A	19891030	199022 B

US 5200889	A	19930406	US 89426273	A	19891025	199316
			US 91751627	A	19910826	
EP 370847	B1	19930811	EP 89402995	A	19891030	199332
DE 68908355	E	19930916	DE 608355	A	19891030	199338
			EP 89402995	A	19891030	

Priority Applications (No Type Date): JP 88275724 A 19881031

Cited Patents: 1.Jnl.Ref; DE 3232556; EP 234402; EP 253240; EP 313376; WO 8603310

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 370847	A				
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Designated States (Regional): BE DE FR GB NL

US 5200889	A	25	G06F-015/21	Cont of application US 89426273
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EP 370847	B1 E	30	G07G-001/14	
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Designated States (Regional): BE DE FR GB NL

DE 68908355	E		G07G-001/14	Based on patent EP 370847
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Abstract (Basic): EP 370847 A

The sales data processing appts. for a weighing scale includes a CPU (21) and associated peripherals to enter customer details, display data and make weight measurements. The appts. computes the potential rebate on the basis of the total price of purchases made by the customer. The potential rebate, or total price, is stored (27).

The rebate desired by a customer at the time of calculation can be entered and this is subtracted from the total potential rebate. The revised potential rebate is stored for future use.

USE/ADVANTAGE - Provides range of methods of utilizing rebates related to amount of purchases bought. Fractional rebates can be accumulated avoiding issuing small change, fractions of sales prices can be paid from rebate again avoiding small change. Minimises operator service and avoids customer handling small change.

Dwg.1/31

Title Terms: SALE; DATA; PROCESS; APPARATUS; REBATE; ALLOW; REBATE; SUM;

APPLY; PURCHASE; VARIOUS; WAY; AVOID; HANDLE; FRACTION; CHANGE

Derwent Class: T01; T05

International Patent Class (Main): G06F-015/21; G07G-001/14

File Segment: EPI

19/5/48 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007651489 \*\*Image available\*\*

WPI Acc No: 1988-285421/198840

XRPX Acc No: N88-216923

**Validation arrangement for gambling ticket - uses corresp. symbols on two sets of squares to ensure that wager corresponds to correct date**

Patent Assignee: CHETJACK LTD (CHET-N)

Inventor: DIBELLA A

Number of Countries: 033 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8806911	A	19880922	WO 88EP179	A	19880308	198840 B
ZA 8801798	A	19881228				198907
AU 8814977	A	19881010				198911
PT 86990	A	19890330				198916
US 4830405	A	19890516				198923
CN 8801494	A	19881005				198937
ES 2007153	A	19890601	ES 88790	A	19880316	198945

Priority Applications (No Type Date): IT 8719728 A 19870317

Cited Patents: GB 2123591; GB 2159097; US 3528186; US 4240649; US 4591190

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 8806911	A E	11			
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Designated States (National): AT AU BB CH DE DK FI GB GR HU JP KP KR LK

LU MC MG MW NL NO RO SD SE SU US  
Designated States (Regional): AT BE CH DE FR GB IT LU NL OA SE  
US 4830405 A 4

Abstract (Basic): WO 8806911 A

The ticket has two regions (3,4) each having a respective set of squares (5,6). Each square has a symbol (10) on the paper substrate, covered by an opaque layer (11) bearing a different visible symbol (12) from that covered by the opaque layer.

The squares in the first set of squares (5) are organised in three groups representing day, month and year date (7,8,9). To validate a wager, one square of each of the date groups is nullified by removing the opaque layer to reveal the symbol beneath.

On the opaque layer (11) of the squares in the game set (6) of squares are reproduced the same symbols as those beneath the opaque layer of the data set squares. The opaque layer is removed from all the squares in the game set except those which carry the symbol (12) corresponding to the symbol (10) uncovered in the data set.

USE/ADVANTAGE - Prize-drawing games organised by mass communication media. Validation is effected with little risk of player accidentally making wages void.

Dwg.1,2/2

Title Terms: VALID; ARRANGE; GAMBLING; TICKET; CORRESPOND; SYMBOL; TWO; SET  
; SQUARE; ENSURE; CORRESPOND; CORRECT; DATE

Index Terms/Additional Words: BET

Derwent Class: P36; P76; P85; T05

International Patent Class (Additional): A63F-001/18; A63F-003/06;  
B42D-015/00; B42F-005/00; G07C-015/00; G07D-007/00; G07F-000/00;  
G09B-003/00

File Segment: EPI; EngPI

19/5/49 (Item 24 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007541695

WPI Acc No: 1988-175627/198825

XRPX Acc No: N88-134239

**Store or supermarket promotion scheme - allocating semi-random prizes at pay point by ascertaining if set requirements have been met**

Patent Assignee: DIMITRI P R (DIMI-I)

Inventor: FORSYTH M I; STEVENS BUR N D L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
ZA 8703619	A	19880224	ZA 873619	A	19870519	198825 B

Priority Applications (No Type Date): ZA 861954 A 19860317; ZA 873619 A 19870519

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
ZA 8703619	A		39		

Abstract (Basic): ZA 8703619 A

The cash terminals communicate with a c.p.u. which includes random number generation among its processing functions. The random numbers may be used to determine whether or not a customer is entitled to a gift. The computer may also include software for **determining** an **award** based on previously decided variables.

It is envisaged that particulars of the customers' total purchase, the trading stores total net profit or turnover since the last award or the like may be used as variables in the calculation. All necessary particulars relating to the magnitude and characteristics of the **award** will be **determined** by the computer which will activate announcement appts., e.g. bells, whistles, loudspeakers, lights or the like.

ADVANTAGE - **Reduced outlay** for advertising the printing. Fair awards given and seen to be given by other customers. (Provisional

basic advised week 88/21)

0/6

Title Terms: STORAGE; SUPERMARKET; PROMOTE; SCHEME; ALLOCATE; SEMI; RANDOM;  
PRIZE; PAY; POINT; ASCERTAIN; SET; REQUIRE; MELT

Derwent Class: P85; T01

International Patent Class (Additional): G06F-000/00; G09F-000/00

File Segment: EPI; EngPI

21/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010418810 \*\*Image available\*\*

WPI Acc No: 1995-320125/199541

Related WPI Acc No: 1993-133968; 1993-272389; 1994-126691; 1994-217345;  
1995-075345; 1995-089514; 1995-245971; 1997-086935; 1997-235479;  
1997-319376; 1997-372348; 1997-424447; 1997-502622; 1997-558442;  
2001-624573; 2002-009654; 2002-214992; 2002-360410

XRPX Acc No: N95-240821

**Differential customer promotion and cheque processing system for retail,  
POS establishment - uses customer identification code to provide  
targetted marketing techniques based upon prior transactional history  
within store**

Patent Assignee: CREDIT VERIFICATION CORP (CRED-N)

Inventor: DEATON D W; GABRIEL R G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5448471	A	19950905	US 89345475	A	19890501	199541 B
			US 92826255	A	19920124	
			US 92886382	A	19920519	
			US 94221622	A	19940330	

Priority Applications (No Type Date): US 92886382 A 19920519; US 89345475 A  
19890501; US 92826255 A 19920124; US 94221622 A 19940330

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5448471	A		79	G06F-015/20	Cont of application US 89345475 CIP of application US 92826255 Cont of application US 92886382 Cont of patent US 5305196

Abstract (Basic): US 5448471 A

The system has a terminal for entering customer transaction data at a **point-of-sale**. A bar code reader detects the universal product code on products purchased by the customers. A memory stores the customer transaction data regarding a number of individual customer's shopping visit histories and specific product purchases over a period of time. A processor is responsive to the stored customer transaction data for generating incentive signals for different customers, the incentive signals having different values in dependence upon different shopping histories of the customers prior to the **current** shopping visit, the incentive signals also designating product incentive **awards based upon** a specific customer's purchases of products prior to the **current** shopping visit.

A device for issuing coupons at the point-of-sale in response to the incentive signals, the coupons related to the customer's prior product purchasing history and the value of the coupons being related to the customer's prior shopping history, such that different incentives can be delivered to customers with different shopping histories and different product purchasing histories.

ADVANTAGE - Cheque transaction facilitation by customer identification reduction.

Dwg.2a/18

Title Terms: DIFFERENTIAL; CUSTOMER; PROMOTE; CHEQUE; PROCESS; SYSTEM;  
RETAIL; POS; ESTABLISH; CUSTOMER; IDENTIFY; CODE; TARGET; MARKET;  
TECHNIQUE; BASED; PRIOR; HISTORY; STORAGE

Derwent Class: T01; T04; T05

International Patent Class (Main): G06F-015/20

File Segment: EPI

21/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010174092 \*\*Image available\*\*

WPI Acc No: 1995-075345/199510

Related WPI Acc No: 1993-133968; 1993-272389; 1994-126691; 1994-217345;  
1995-089514; 1995-245971; 1995-320125; 1997-086935; 1997-235479;  
1997-319376; 1997-372348; 1997-424447; 1997-502622; 1997-558442;  
2001-624573; 2002-009654; 2002-214992

XRPX Acc No: N95-059664

**Customer promotion system - has coupon issued at point-of-sale to provide incentives to customer to purchase products, frequently purchased previously, at future shopping visit**

Patent Assignee: CREDIT VERIFICATION CORP (CRED-N); INTER\*ACT SYSTEMS INC (INTE-N); CATALINA MARKETING INT INC (CATA-N)

Inventor: DEATON D W; GABRIEL R G

Number of Countries: 055 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9503570	A2	19950202	WO 94US8221	A	19940721	199510 B
AU 9474022	A	19950220	AU 9474022	A	19940721	199521
WO 9503570	A3	19950316	WO 94US8221	A	19940721	199613
EP 711434	A1	19960515	WO 94US8221	A	19940721	199624
			EP 95906202	A	19940721	
US 5642485	A	19970624	US 89345475	A	19890501	199731
			US 92826255	A	19920124	
			US 92886383	A	19920519	
			US 9363413	A	19930517	
			US 9396921	A	19930723	
			US 94178052	A	19940104	
			US 95458172	A	19950601	
US 5644723	A	19970701	US 89345475	A	19890501	199732
			US 92826255	A	19920124	
			US 92886383	A	19920519	
			US 9363413	A	19930517	
			US 9396921	A	19930723	
			US 94178052	A	19940104	
US 6377935	B1	20020423	US 89345475	A	19890501	200232
			US 92826255	A	19920124	
			US 92886383	A	19920519	
			US 9363413	A	19930517	
			US 9396921	A	19930723	
			US 94178052	A	19940104	
			US 97815756	A	19970312	

Priority Applications (No Type Date): US 93141471 A 19931020; US 9396921 A 19930723; US 89345475 A 19890501; US 92826255 A 19920124; US 92886383 A 19920519; US 9363413 A 19930517; US 94178052 A 19940104; US 95458172 A 19950601; US 97815756 A 19970312

Cited Patents: 11Jnl.Ref; JP 55047560; US 4908761; US 5025372; US 5056019; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9503570	A2	E	445	G06F-001/12	
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Designated States (National): AU BB BG BR BY CA CN CZ FI GE HU JP KE KG KP KR KZ LK LT LV MD MG MN MW NO NZ PL RO RU SD SI SK TJ TT UA UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE

AU 9474022	A			G06F-001/12	Based on patent WO 9503570
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WO 9503570	A3			G06F-001/12	
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EP 711434	A1	E	445	G06F-001/12	Based on patent WO 9503570
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Designated States (Regional): DE FR GB

US 5642485	A		145	G06F-017/60	Cont of application US 89345475
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CIP of application US 92826255

Cont of application US 92886383

CIP of application US 9363413

Cont of application US 9396921

Cont of application US 94178052

US 5644723	A		140	G06F-017/60	Cont of application US 89345475
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CIP of application US 92826255

Cont of application US 92886383

CIP of application US 9363413

US 6377935      B1      G06F-017/60      Cont of application US 9396921  
CIP of patent US 5621812  
Cont of application US 89345475  
CIP of application US 92826255  
Cont of application US 92886383  
CIP of application US 9363413  
Cont of application US 9396921  
Cont of application US 94178052  
CIP of patent US 5512812  
Cont of patent US 5644723

Abstract (Basic): WO 9503570 A

The system comprises a memory, generating circuitry and apparatus for issuing a coupon. The memory stores data representative of a customer's prior purchases of products at a store in association with a customer's unique identification. The generating circuitry is responsive to the data stored in the memory for generating indications of a product frequently previously purchased by the customer in a previous visit to the store.

A coupon is issued at the point-of-sale, by the apparatus for issuing a coupon, in response to indications in an effort to attract the customer. The coupon provides incentives, including the product frequently previously purchased by the customer. The validity of the promotion is dependent on the customer making a future shopping transaction.

USE/ADVANTAGE - Obtaining transactional information patterns. May be used for credit verification, targeted customer marketing and other customer relations purposes.

Dwg.21/47

Title Terms: CUSTOMER; PROMOTE; SYSTEM; COUPON; ISSUE; POINT; SALE;  
CUSTOMER; PURCHASE; PRODUCT; FREQUENT; PURCHASE; FUTURE; SHOPPING; VISIT  
Derwent Class: T01; T05

International Patent Class (Main): G06F-001/12; G06F-017/60

International Patent Class (Additional): G06F-007/08; G06F-015/00;

G06F-017/00; G06K-005/00; G06K-015/00

File Segment: EPI

21/5/3      (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007381687      \*\*Image available\*\*

WPI Acc No: 1988-015622/198803

XRPX Acc No: N88-011704

**Point-of-sale terminal for use with card - has number of service points  
for current transaction calculated and entered on card placed in  
reader-writer device**

Patent Assignee: OMRON TATEISI ELECTRONICS CO (OMRO ); OMRON TATEISI ELETR  
(OMRO )

Inventor: NAKANO T; NAKASHIMA T; SHINJO S

Number of Countries: 014    Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 253240	A	19880120	EP 87109623	A	19870703	198803 B
KR 9006668	B	19900917				199149
EP'253240	B	19920325	EP 87109623	A	19870703	199213
DE 3777708	G	19920430				199219
ES 2031090	T3	19921201	EP 87109623	A	19870703	199301

Priority Applications (No Type Date): JP 877240 A 19870114; JP 86157545 A  
19860703; JP 875281 A 19870112

Cited Patents: 2.Jnl.Ref; DE 2536648; FR 2574962; GB 2094532; JP 52016941;  
JP 55047560

Patent Details:

Patent No    Kind    Lan    Pg    Main    IPC    Filing    Notes

EP 253240      A    E    13

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

EP 253240 B 13

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE  
ES 2031090 T3 G07G-001/00 Based on patent EP 253240

Abstract (Basic): DE 3777708 G

A magnetic strip on a card stores data representing store code, duration, and accumulated sales data.  
Visible representations of these data are also printed on the card.

In using the card, the sales assistant enters commodity prices, item numbers and departmental codes into the terminal, for each transaction.

If the customer has provided a service card this is placed in the card reader-writer and detected (53).

Then the data stored on the card are read (54).

The appropriate number of service points for the **current** transaction are calculated (55) and entered onto the card (s6). The CPU determines whether the new total service points justifies the **awarding** of a **discount** and, if so, the discounted amount is displayed (s8).

The total service points are correspondingly reduced (s9) and the new total is stored in the card and printed (s10).

Then the card is released and payment is made for the registered transaction. ADVANTAGE - POS terminal provided which keeps track automatically of discounts or refunds due according to accumulated sales to customer.

EP 253240 A

A magnetic strip on a card stores data representing store code, duration, and accumulated sales data. Visible representations of these data are also printed on the card. In using the card, the sales assistant enters commodity prices, item numbers and departmental codes into the terminal, for each transaction. If the customer has provided a service card this is placed in the card reader-writer and detected (53). Then the data stored on the card are read (54). The appropriate number of service points for the current transaction are calculated (55) and entered onto the card (s6).

The CPU determines whether the new total service points justifies the **awarding** of a **discount** and, if so, the discounted amount is displayed (s8). The total service points are correspondingly reduced (s9) and the new total is stored in the card and printed (s10). Then the card is released and payment is made for the registered transaction.

ADVANTAGE - POS terminal provided which keeps track automatically of discounts or refunds due according to accumulated sales to customer.

1/12

Title Terms: POINT; SALE; TERMINAL; CARD; NUMBER; SERVICE; POINT; CURRENT; TRANSACTION; CALCULATE; ENTER; CARD; PLACE; READ; WRITING; DEVICE

Derwent Class: T05

International Patent Class (Main): G07G-001/00

International Patent Class (Additional): G07F-007/02

File Segment: EPI



23/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07243036 \*\*Image available\*\*  
PHASE DETECTING METHOD AND DEVICE OF SAMPLE-AND-HOLD TO ATTAIN LOW SPURIOUS

PUB. NO.: 2002-111487 [JP 2002111487 A]  
PUBLISHED: April 12, 2002 (20020412)  
INVENTOR(s): BELLAOUAR ABDELLATIF  
FRIDI AHMED R  
APPLICANT(s): TEXAS INSTRUMENTS INC  
APPL. NO.: 2001-248084 [JP 20011248084]  
FILED: August 17, 2001 (20010817)  
PRIORITY: 00 226184 [US 2000226184], US (United States of America),  
August 18, 2000 (20000818)  
01 790377 [US 2001790377], US (United States of America),  
February 22, 2001 (20010222)  
INTL CLASS: H03L-007/091

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a phase detecting method of sample-and-hold to attain a **reduction** of a spurious output and provide a phase detector using the method.

SOLUTION: After charging a ramp node (502) to a first voltage level following a sampling time (606) of a phase detector (500) of sample-and-hold, during a pre-charging time (610) of a hold period (614), a leakage **current** at a SH switch (514) is **reduced** with pre- **charging** the node (502) to a **second** voltage level, so that voltage drifts are **minimized** and a **reduction** of a spurious of the detector (500) is attained.

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23/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06714107  
METHOD FOR CHARGING LEAD STORAGE BATTERY

PUB. NO.: 2000-299942 [JP 2000299942 A]  
PUBLISHED: October 24, 2000 (20001024)  
INVENTOR(s): SHIOMI MASAOKI  
KIRIBAYASHI MOTOJI  
APPLICANT(s): JAPAN STORAGE BATTERY CO LTD  
APPL. NO.: 11-105777 [JP 99105777]  
FILED: April 13, 1999 (19990413)  
INTL CLASS: H02J-007/02; H01M-010/44; H02J-007/00; H02J-007/10

#### ABSTRACT

PROBLEM TO BE SOLVED: To prevent early deterioration of a battery even when the amount of discharged electricity of the battery fluctuates by controlling a second charging process being controlled by the time or amount of electricity by means of the charging time or the amount of electricity of a first charging process being controlled by voltage.

SOLUTION: At least one set of first charging process controlled by a voltage and second charging process controlled by time or the amount of electricity are provided. Then, when the charging time or the amount of charging electricity of the first charging process is **smaller** than a preset value, it is judged that a battery has been fully charged since the amount of discharging electricity is not enough. Also, when the charging time or the amount of charging **current** of the **second charging** process is **reduced**, and, furthermore, the amount of charging electricity of the first charging process is **less** than a specific value, the second charging process is stopped for preventing an overcurrent, thus eliminating the risk

of early deterioration of the battery even when the amount of discharging electricity of the battery fluctuates.

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23/5/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05712752 \*\*Image available\*\*  
GAME MACHINE

PUB. NO.: 09-327552 [JP 9327552 A]  
PUBLISHED: December 22, 1997 (19971222)  
INVENTOR(s): WATANABE KANEHISA  
APPLICANT(s): TOYOMARU SANGYO KK [486815] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-172902 [JP 96172902]  
FILED: June 11, 1996 (19960611)  
INTL CLASS: [6] A63F-007/02  
JAPIO CLASS: 30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JAPIO KEYWORD:R011 (LIQUID CRYSTALS)

#### ABSTRACT

PROBLEM TO BE SOLVED: To present fresh interest by selecting subordinate specified picture patterns for great success picture patterns in addition to specified picture patterns and setting a game advantageous for a player when great success is generated by the subordinate specified picture patterns.

SOLUTION: A special picture pattern display L enables divided display on 1st picture pattern display parts L1-L3 and displays plural picture patterns while varying them. When the same picture patterns are lined up on the 1st picture pattern display parts L1-L3, it is defined as the great success and when the great success is provided by the specified picture patterns, probability variation is performed for making high the probability to get the great success after the end of the great success. Further, when the great success is generated by the plural subordinate specified picture patterns, the time for varying picture patterns on a 2nd picture pattern display part 56 is **shortened** after the end of the great success. Besides, when a game ball passes through ordinary picture pattern start gates 23a and 23b, the picture patterns on the 2nd picture pattern display part 56 start varying and after the lapse of prescribed time, it is displayed whether the picture patterns show success or failure. In the case of success, the success picture patterns are displayed on the 2nd picture pattern display part 56, and a **2nd prize** winning device 57 is opened for prescribed time.

23/5/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05630036 \*\*Image available\*\*  
DISPLAY CONTROLLER

PUB. NO.: 09-244836 [JP 9244836 A]  
PUBLISHED: September 19, 1997 (19970919)  
INVENTOR(s): SUZUKI KIYOSHI  
YOSHIDA TAKIO  
APPLICANT(s): SHARP CORP [000504] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-050351 [JP 9650351]  
FILED: March 07, 1996 (19960307)  
INTL CLASS: [6] G06F-003/14; G06F-003/03; G06F-015/02; G09G-005/26; G09G-005/36; G09G-005/40  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 29.4 (PRECISION INSTRUMENTS -- Business Machines); 44.9

(COMMUNICATION -- Other); 45.4 (INFORMATION PROCESSING --  
Computer Applications)  
JAPIO KEYWORD:R011 (LIQUID CRYSTALS)

ABSTRACT

PROBLEM TO BE SOLVED: To provide the display controller with superior visibility and superior operability which makes it, possible to easily confirm the contents in both the data formats of text data and image data as to a list display (mixed list display) wherein the text data and image data are mixed.

SOLUTION: For the list display, the text data are reduced and displayed in a reduction display area at a 1st reduction rate (S5) which enables characters to be discriminated and the image data are reduced and displayed at a 2nd reduction rate (S11) which makes it easy to confirm the whole constitution by putting the entire lateral image on the screen. For a list display of the text data, the character string included in the text data is displayed (S5) in order from the head character position according to a character array in the reduction display area wherein line ends where undisplayed characters that can not be displayed in one line are not present are set.

23/5/5 (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05539439  
CHARGING OF SECONDARY BATTERY

PUB. NO.: 09-154239 [JP 9154239 A]  
PUBLISHED: June 10, 1997 (19970610)  
INVENTOR(s): ITO NORIYUKI  
KISHIKAWA EIZO  
APPLICANT(s): TOSHIBA BATTERY CO LTD [000353] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 07-310777 [JP 95310777]  
FILED: November 29, 1995 (19951129)  
INTL CLASS: [6] H02J-007/10; H01M-010/44; H01M-010/44  
JAPIO CLASS: 42.9 (ELECTRONICS -- Other)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for charging by which quick charging can be done with the increase in temperature of the battery being held as low as possible.

SOLUTION: By this method, a secondary battery is charged according to the increase in temperature during charging per unit time of the secondary battery. Quick charging is conducted with charging current of a first current value. When the rate of the increase in temperature reaches a first set value, the charging current is reduced to a second current value which is smaller than the first one and complementary charging is conducted. Then, when the rate of the increase in temperature reaches a second set value, charging is stopped.

23/5/6 (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04830646 \*\*Image available\*\*  
BINARY PICTURE REDUCTION DEVICE

PUB. NO.: 07-123246 [JP 7123246 A]  
PUBLISHED: May 12, 1995 (19950512)  
INVENTOR(s): YAMADA HIDEAKI  
APPLICANT(s): SHARP CORP [000504] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 05-264825 [JP 93264825]  
FILED: October 22, 1993 (19931022)  
INTL CLASS: [6] H04N-001/393; G06T-003/40  
JAPIO CLASS: 44.7 (COMMUNICATION -- Facsimile); 45.9 (INFORMATION  
PROCESSING -- Other)

#### ABSTRACT

PURPOSE: To prevent deterioration in picture quality due to error spread of a line drawing by calculating a 1st tentative **reduction** picture element value of a picture element block based on a counted black picture element number and a **reduction rate** and calculating a 2nd tentative **reduced** picture element based on an exception processing condition.

CONSTITUTION: An adder section 2 counts number of block picture elements  $G(\text{sub } xy)$  in a picture element block of a line buffer 1. A comparator section 3 compares the number of block picture elements  $G(\text{sub } xy)$  with a preset threshold level  $T$  to set a 1st tentative reduced picture element  $T(\text{sub } xy)$  of the picture element block as  $T(\text{sub } xy)=1$  (black level) in the case of  $G(\text{sub } xy) \geq T$  and (to set the 1st tentative reduced picture element  $T$ , of the picture element block as  $T(\text{sub } xy)=0$  (white level) in the case of  $G(\text{sub } xy) < T$ . An except processing section 4 uses a conversion picture element block already converted and a picture element block processed at present to discriminate whether or not the picture element block has an except pattern. When the picture element block is the except pattern, a 2nd tentative picture element value  $E(\text{sub } xy)$  is set to 0 (white level) to provide an except discrimination signal  $s=0$  and when not the except pattern, an exception discrimination signal  $s=1$  is outputted. A reduced picture element decision section 5 sets the conversion picture element  $Q(\text{sub } xy)$  to be  $T(\text{sub } xy)$  in the case of  $s=1$  and sets the conversion picture element  $Q(\text{sub } xy)$  to be  $E(\text{sub } xy)$  in the case of  $s=0$

23/5/7 (Item 7 from file: 347)  
DIALOG(R) File 347:JAPIO  
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04802084 \*\*Image available\*\*  
BIPOLAR MEMORY CELL AND SEMICONDUCTOR MEMORY EMPLOYING IT

PUB. NO.: 07-094684 [JP 7094684 A]  
PUBLISHED: April 07, 1995 (19950407)  
INVENTOR(s): SUGIMOTO MASAYA  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 05-233886 [JP 93233886]  
FILED: September 20, 1993 (19930920)  
INTL CLASS: [6] H01L-027/10  
JAPIO CLASS: 42.2 (ELECTRONICS -- Solid State Components); 45.2  
(INFORMATION PROCESSING -- Memory Units)

#### ABSTRACT

PURPOSE: To **reduce** soft error **rate** by connecting first and **second** resistors, having resistance regulable to a desired value, with a word line at one ends thereof.

CONSTITUTION: When  $\alpha$  particles impinge on a first NPN transistor under a state where the collector of the NPN transistor 1 and the base of a second NPN transistor 4 have high potential whereas the collector of the second transistor 4 and the base of the first transistor have low potential, current flows through a first resistor 12 to lower the collector potential of the first transistor 1. But since the first resistor 12 has low resistance, the voltage drop is suppressed as compared with a conventional case. Consequently, base voltage drop of the second transistor 4 is suppressed thus suppressing soft error and reducing the soft error rate

23/5/8 (Item 8 from file: 347)  
DIALOG(R) File 347:JAPIO

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04553566      \*\*Image available\*\*  
SECONDARY BATTERY CHANGING CIRCUIT

PUB. NO.:        06-225466 [JP 6225466 A]  
PUBLISHED:      August 12, 1994 (19940812)  
INVENTOR(s):    MAKI KATSUHISA  
                 SATO MASAKI  
APPLICANT(s):   TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
                 (Japan)  
                 TOSHIBA AVE CORP [485538] (A Japanese Company or Corporation)  
                 , JP (Japan)  
APPL. NO.:      05-009095 [JP 939095]  
FILED:          January 22, 1993 (19930122)  
INTL CLASS:     [5] H02J-007/02; H02J-007/10  
JAPIO CLASS:    42.9 (ELECTRONICS -- Other); 44.2 (COMMUNICATION --  
                 Transmission Systems); 44.4 (COMMUNICATION -- Telephone)  
JAPIO KEYWORD: R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)  
JOURNAL:        Section: E, Section No. 1630, Vol. 18, No. 595, Pg. 81,  
                 November 14, 1994 (19941114)

#### ABSTRACT

PURPOSE: To indicate the charging capacity of a secondary battery always accurately regardless of charging conditions.

CONSTITUTION: A voltage corresponding to a charging **current** is generated by a charging **current** detecting resistor R1 and a subtractor 3. The generated voltage is compared with a first threshold voltage Vref1 corresponding to 80% charging a second threshold voltage Vref2 corresponding to 100% charging by first and second comparators 4 and 5 respectively. If the voltage corresponding to the charging **current** is **reduced** below the first threshold voltage Vref1, an indication driving circuit 7 turns on an LED 2 to indicate '80% charging finished'. If the voltage corresponding to the **charging current** is **reduced** below the **second** threshold voltage Vref2, the indication driving circuit 7 turns on an LED 3 only to indicate '100% charging finished'.

23/5/9        (Item 9 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04309270      \*\*Image available\*\*  
ACCESSORY FOR PINBALL GAME MACHINE

PUB. NO.:        05-300970 [JP 5300970 A]  
PUBLISHED:      November 16, 1993 (19931116)  
INVENTOR(s):    NAKAMURA MITSUO  
APPLICANT(s):   SAMMY IND CO LTD [472039] (A Japanese Company or Corporation)  
                 , JP (Japan)  
APPL. NO.:      04-107092 [JP 92107092]  
FILED:          April 24, 1992 (19920424)  
INTL CLASS:     [5] A63F-007/02  
JAPIO CLASS:    30.2 (MISCELLANEOUS GOODS -- Sports & Recreation)  
JOURNAL:        Section: C, Section No. 1168, Vol. 18, No. 101, Pg. 105,  
                 February 18, 1994 (19940218)

#### ABSTRACT

PURPOSE: To provide the motion being different from an accessory provided up to the present, especially with regard to the accessory used for the pinball game machine.

CONSTITUTION: This pinball game machine is provided with a pair of guide bars 20 which can take a closed state opposed at a narrower interval than the diameter of a game ball and an open state opposed at a wider interval than the diameter of the game ball and are inclined so that the game ball can roll extending from one end part side to the other end part side, a

guide part 30 for guiding the game ball to the inclined upper end parts of both the guide bars 20, a first prize-winning port 11 which is guided by this guide part 30, and also, by which the game ball B for rolling toward the inclined lower end part on both the guide bars 20 being in a closed state can be subjected to prize-winning, and a second prize-winning port 12 by which the game ball B dropping down to the lower part from the interval of both the guide bars 20 being in an open state can be subjected to prize-winning.

23/5/10 (Item 10 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04189851 \*\*Image available\*\*  
ALTERNATING CURRENT STABILIZED POWER UNIT

PUB. NO.: 05-181551 [JP 5181551 A]  
PUBLISHED: July 23, 1993 (19930723)  
INVENTOR(s): SUETOMI MASAYUKI  
KIKUCHI NORIYOSHI  
APPLICANT(s): KIKUSUI ELECTRON CORP [325542] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 04-139185 [JP 92139185]  
FILED: May 29, 1992 (19920529)  
INTL CLASS: [5] G05F-001/66  
JAPIO CLASS: 43.3 (ELECTRIC POWER -- Transmission & Distribution)  
JOURNAL: Section: P, Section No. 1638, Vol. 17, No. 602, Pg. 42,  
November 05, 1993 (19931105)

#### ABSTRACT

PURPOSE: To automatically display an electric power utilization rate corresponding to a set output voltage and an output frequency by calculating a rated current value in an operation state from a 1st and a 2nd output current reduction rate based upon an output voltage value and an output frequency value.

CONSTITUTION: Once a user sets a desired output voltage and a desired output frequency, a 1st derating rate DV and 2nd derating rate DF corresponding to the values are outputted from 1st and 2nd derating rate generators 2 and 4. Then a maximum output current value  $IMAX = DV \times DFXIR$  under the conditions of the set output voltage and frequency is calculated by a multiplier 5 and outputted to a divider 7. The divider 7 divides the value  $I_o$  of a load current sent from a load current detector 6 by the maximum output current value  $IMAX$  to calculate the electric power utilization rate. This obtained electric power utilization rate is displayed on a display unit 8 in form of a bar graph

23/5/11 (Item 11 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03323929 \*\*Image available\*\*  
CHARGING CIRCUIT

PUB. NO.: 02-299429 [JP 2299429 A]  
PUBLISHED: December 11, 1990 (19901211)  
INVENTOR(s): SATO TATSUHIKO  
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 01-118928 [JP 89118928]  
FILED: May 12, 1989 (19890512)  
INTL CLASS: [5] H02J-007/10  
JAPIO CLASS: 42.9 (ELECTRONICS -- Other)  
JOURNAL: Section: E, Section No. 1038, Vol. 15, No. 82, Pg. 128,  
February 26, 1991 (19910226)

#### ABSTRACT

PURPOSE: To prevent overcharging by a method wherein a charging circuit is provided with a voltage divider, dividing the voltage of a storage battery, first and second constant voltage diodes, a comparator and a field effect transistor.

CONSTITUTION: After the voltage  $V_B$  of a storage battery Batt has reached a given voltage, a comparator A(sub 1) is employed to **reduce** a **charging current** while a **second** constant voltage diode D(sub 2) is connected to the output side of the comparator A(sub 1). A voltage  $V(\text{sub } 1)$ , obtained by dividing the voltage  $V_B$  by the comparator A(sub 1), is compared with voltage  $V_D(\text{sub } 1)$  of the first constant voltage diode D(sub 1). When  $V(\text{sub } 1) < V_D(\text{sub } 1)$ , the output of the comparator A(sub 1) becomes maximum and the second constant voltage diode D(sub 2) generates a constant voltage  $V_D(\text{sub } 2)$  while charging is effected by a constant **current**. When the charging is advanced and the voltage  $V(\text{sub } 1)$  is increased to the degree of  $V(\text{sub } 1) = V_D(\text{sub } 1)$ , the output  $V(\text{sub } 2)$  of the comparator A(sub 1) is **reduced** as the voltage  $V(\text{sub } 1)$  is increased and when the voltage  $V(\text{sub } 2)$  has become  $V(\text{sub } 2) < V_D(\text{sub } 2)$ , a voltage VGS between the gate sources of a field effect transistor Tr(sub 1) is **reduced** and a charging **current** ID is **reduced**.

23/5/12 (Item 12 from file: 347)

DIALOG(R)File 347:JAPIO

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03081195 \*\*Image available\*\*

COMMODITY PRICE SETTING SYSTEM FOR POS SYSTEM

PUB. NO.: 02-056695 [JP 2056695 A]

PUBLISHED: February 26, 1990 (19900226)

INVENTOR(s): MIZOGUCHI YOSHIRO

APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)

APPL. NO.: 63-209940 [JP 88209940]

FILED: August 23, 1988 (19880823)

INTL CLASS: [5] G07G-001/12; G06F-015/21

JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.4  
(INFORMATION PROCESSING -- Computer Applications)

JAPIO KEYWORD: R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)

JOURNAL: Section: P, Section No. 1049, Vol. 14, No. 233, Pg. 28, May  
17, 1990 (19900517)

#### ABSTRACT

PURPOSE: To remarkably decrease the discounting or price-reducing management of an operator and to easily operate a POS terminal by applying a different price according to a specified condition even for a same commodity.

CONSTITUTION: Condition price information 21 determines a number, which is collected and sold as the condition to the price, to commodity codes C1, C2, ... and quantity discounting prices P1, P2, ... are provided to determine a discount rate when the number is satisfied. Then, a period to apply the code and price is indicated. Before the selling of the commodity, commodity referring information 23 to include a condition price flag 22, which are instantaneous referring information to be immediately needed for the selling on a certain day, and condition price referring information 24 are fetched out of the commodity information of a commodity master file 1-2 and the condition price information of a condition price control file 1-3. Then, instantaneous referring information storage 1-4 is prepared on the memory of a shop control information processing unit. Thus, the discounting or **price - reducing** management of the **POS** terminal operator is eliminated and the operation is made easy.

23/5/13 (Item 13 from file: 347)

DIALOG(R)File 347:JAPIO

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02330856     \*\*Image available\*\*  
SNUBBER CIRCUIT OF GTO THYRISTOR

PUB. NO.:        62-247756   [JP 62247756 A]  
PUBLISHED:      October 28, 1987 (19871028)  
INVENTOR(s):    ISHIDO MICHIHARU  
APPLICANT(s):   MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or  
                 Corporation), JP (Japan)  
APPL. NO.:      61-090595   [JP 8690595]  
FILED:          April 18, 1986 (19860418)  
INTL CLASS:     [4] H02M-001/06; H01L-029/74  
JAPIO CLASS:    43.2 (ELECTRIC POWER -- Transformation); 42.2 (ELECTRONICS --  
                 Solid State Components)  
JOURNAL:        Section: E, Section No. 600, Vol. 12, No. 118, Pg. 132, April  
                 13, 1988 (19880413)

#### ABSTRACT

PURPOSE: To prevent overvoltage applied to a snubber capacitor, by a method wherein when charging voltage of the snubber capacitor rises to power source voltage or higher a capacitor is connected in parallel to a GTO thyristor.

CONSTITUTION: If a GTO thyristor 4 is turned off, **current** flowing in the GTO thyristor 4 passes through a diode 8 and a capacitor 12 thereby rapid rising of voltage applied to the GTO thyristor 4 is prevented. When charging voltage of the capacitor 12 attains to charging voltage of a second capacitor 24, i.e., power source voltage, a diode 20 is rendered conductive and **current** flowing in the capacitor 12 only passes also through the **second** capacitor 24 thereby voltage rise **rate** is rapidly **reduced**.

23/5/14        (Item 14 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2002 JPO & JAPIO. All rts. reserv.

01952431     \*\*Image available\*\*  
EXPOSURE TIME SETTING CIRCUIT OF ELECTRONIC SHUTTER

PUB. NO.:        61-166531   [JP 61166531 A]  
PUBLISHED:      July 28, 1986 (19860728)  
INVENTOR(s):    MIYAKE TOSHIHIDE  
APPLICANT(s):   SHARP CORP [000504] (A Japanese Company or Corporation), JP  
                 (Japan)  
APPL. NO.:      60-008190   [JP 858190]  
FILED:          January 18, 1985 (19850118)  
INTL CLASS:     [4] G03B-007/089; G03B-007/083; G03B-007/28; G03B-009/62  
JAPIO CLASS:    29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography)  
JOURNAL:        Section: P, Section No. 526, Vol. 10, No. 371, Pg. 165,  
                 December 11, 1986 (19861211)

#### ABSTRACT

PURPOSE: To improve the precision of exposure time setting by **reducing** the **charging current** of the **second** capacitor according to the rise of output voltage of this capacitor and stopping the charge of the second capacitor by a charging means when the output voltage of the first capacitor reaches a preliminarily determined discrimination level in response to the output from a level discriminating means.

CONSTITUTION: At the charging time, the value of the charging current to the second capacitor C2 is reduced according as the output voltage of the second capacitor C2 reaches a reference voltage 12 in response to the output of a comparing circuit 9. At the discharging time, the value of the discharging current is reduced according as the output voltage of the second capacitor C2 falls to reach the reference voltage 12. Thus, a long exposure time of an electronic shutter can be set, and the exposure precision is improved



23/5/15 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014687431

WPI Acc No: 2002-508135/200254

XRPX Acc No: N02-402132

**Method for making express rebates comprising using third-party agency by communicating, by computer-networked data-transmission device, from vendor, directly or indirectly, to purchaser, information-verifying rebate-entitlement**

Patent Assignee: HADJIGEORGIS G K (HADJ-I)

Inventor: HADJIGEORGIS G K

Number of Countries: 022 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200237216	A2	20020510	WO 2001US43990	A	20011106	200254 B

Priority Applications (No Type Date): US 2001834503 A 20010413; US 2000246021 P 20001106

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200237216	A2	E	13	G06F-000/00	
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Designated States (National): AU CA JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Abstract (Basic): WO 200237216 A2

NOVELTY - Information verifying rebate-entitlement is communicated from purchaser, directly or indirectly, to vendor by computer-networked data-transmission device. c. Information verifying rebate-entitlement is communicated from vendor, directly or indirectly, to purchaser using network transmission for providing the purchaser with his, hers or its rebate, in full, or less an agent's commission.

USE - In a system of process steps operating in association with microprocessor/controllers

ADVANTAGE - Improves **currently** employed mail-in rebate programs with a system, which generates an express **rebate** at the **point** of **sale**.

pp; 13 DwgNo 0/0

Title Terms: METHOD; EXPRESS; REBATE; COMPRISE; THIRD; PARTY; AGENT; COMMUNICATE; COMPUTER; DATA; TRANSMISSION; DEVICE; VENDING; INDIRECT; PURCHASE; INFORMATION; VERIFICATION; REBATE

Derwent Class: T01; T05

International Patent Class (Main): G06F-000/00

File Segment: EPI

23/5/16 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014327000 \*\*Image available\*\*

WPI Acc No: 2002-147703/200219

XRAM Acc No: C02-045813

XRPX Acc No: N02-111974

**Improving emission current uniformity of field emission devices involves causing nanotubes to be reduced in length at predetermined rates**

Patent Assignee: MOTOROLA INC (MOTI )

Inventor: CHALAMALA B R; DEAN K A

Number of Countries: 092 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200195360	A1	20011213	WO 2001US15006	A	20010509	200219 B
AU 200161331	A	20011217	AU 200161331	A	20010509	200225

Priority Applications (No Type Date): US 2000589018 A 20000607

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200195360 A1 E 21 H01J-001/304

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200161331 A H01J-001/304 Based on patent WO 200195360

Abstract (Basic): WO 200195360 A1

NOVELTY - An emission current uniformity of a field emission device is improved by causing two nanotubes to be reduced in length at predetermined rates.

DETAILED DESCRIPTION - Improving uniformity of emission current of a field emission device (100) comprises:

(a) providing first and second carbon nanotubes (119, 118);

(b) causing the first nanotube to be reduced in length at a first rate; and

(c) concurrent with the step (b), causing the second nanotube to be reduced in length at a second rate.

Each of the carbon nanotubes has emission **current** capability, in which the first capability is greater than that of the second. The first rate is greater than the **second rate**, thus **reducing** the difference between the **second** and first emission **current** capabilities.

USE - For improving uniformity of emission current of a field emission device.

ADVANTAGE - The method can be performed easily and quickly at low cost, is largely self-controlling, and prevents harm to device electronics due to electrical arcing.

DESCRIPTION OF DRAWING(S) - The drawing shows a cross-sectional view of a field emission display having an electron emitter made from carbon nanotubes.

field emission device (100)

electron emitter (116)

carbon nanotubes (118, 119)

pp; 21 DwgNo 2/6

Title Terms: IMPROVE; EMIT; CURRENT; UNIFORM; FIELD; EMIT; DEVICE; CAUSE;  
REDUCE; LENGTH; PREDETERMINED; RATE

Derwent Class: L03; V05

International Patent Class (Main): H01J-001/304

File Segment: CPI; EPI

23/5/17 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013806889 \*\*Image available\*\*

WPI Acc No: 2001-291101/200131

XRPX Acc No: N01-207956

**Playing wagering game in which bonus segment may be entered where  
multiplying factors may be encountered by playing second game segment if  
player obtains given qualifying outcome in first game segment**

Patent Assignee: SHUFFLE MASTER INC (SHUF-N); DUNN R B (DUNN-I); YOSELOFF M  
L (YOSE-I)

Inventor: YOSELOFF M L; DUNN R B

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 200061299	A	20010315	AU 200061299	A	20000925	200131 B
CA 2317162	A1	20010313	CA 2317162	A	20000829	200131
US 20010048193	A1	20011206	US 99394748	A	19990913	200203

Priority Applications (No Type Date): US 99394748 A 19990913

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 200061299	A		24	A63F-013/00	
CA 2317162	A1	E		G07F-017/32	
US 20010048193	A1			A63F-001/00	

Abstract (Basic): AU 200061299 A

NOVELTY - A second game segment may be played if a player obtains a set-qualifying outcome in the first game segment. A second segment randomly determines a factor as a determined factor. The player is **awarded** a **second** payout that is equal to the determined factor multiplying at least one of: a) the wager placed to participate in the game; b) the first payout amount; and c) the first payout amount, **less** the wager placed to participate in the game.

USE - In novel gaming devices in which an event after the play of a first gaming segment, a bonus segment may be entered where multiplying factors may be encountered.

ADVANTAGE - Provides new additional opportunities to receive winning payout.

DESCRIPTION OF DRAWING(S) - The drawing is a front view of a gaming device according to one structural embodiment of the present invention.

pp; 24 DwgNo 2/2

Title Terms: PLAY; GAME; BONUS; SEGMENT; ENTER; MULTIPLICATION; FACTOR; ENCOUNTER; PLAY; SECOND; GAME; SEGMENT; PLAY; OBTAIN; QUALIFY; FIRST; GAME; SEGMENT

Derwent Class: P36; T05; W04

International Patent Class (Main): A63F-001/00; A63F-013/00; G07F-017/32

International Patent Class (Additional): G07F-017/34

File Segment: EPI; EngPI

23/5/18 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013758917 \*\*Image available\*\*

WPI Acc No: 2001-243129/200125

XRAM Acc No: C01-072825

XRPX Acc No: N01-172962

**Manufacturing process for multilevel plating Cu damascene wires - by improving the flatness of Cu metal layer to reduce the polishing time for increasing productivity**

Patent Assignee: TAIWAN SEMICONDUCTOR MFG CO LTD (TASE-N)

Inventor: JANG S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TW 410453	A	20001101	TW 99109897	A	19990614	200125 B

Priority Applications (No Type Date): TW 99109897 A 19990614

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
TW 410453	A			H01L-023/50	

Abstract (Basic): TW 410453 A

NOVELTY - The **present** invention provides an improved process for Cu damascene wires which employs multilevel plating process to grow the Cu metal layer to improve the flatness and **reduce** the total growth depth so as to **reduce** the following planarization polishing time and increase the productivity. First, using normal plating liquid composition to conduct the first stage plating process to grow the first Cu metal layer that the depth is just enough for filling the wire trench; next, conducting the second stage plating process to grow the second Cu metal layer that intentionally increasing the amount of leveler in the plating liquid to **reduce** the growth **rate** of the **second** Cu metal layer at the edges and protrusions of the first Cu metal layer so that it can have smoother surface structure; then,

removing the surface portion of the second Cu metal layer and the first Cu metal layer with shorter polishing time to form the required Cu damascene wire structure.

DwgNo 1/0

Title Terms: MANUFACTURE; PROCESS; MULTILEVEL; PLATE; WIRE; IMPROVE; FLAT; METAL; LAYER; REDUCE; POLISH; TIME; INCREASE; PRODUCE

Derwent Class: L03; U11

International Patent Class (Main): H01L-023/50

File Segment: CPI; EPI

23/5/19 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WP1X

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013593294 \*\*Image available\*\*

WPI Acc No: 2001-077501/200109

XRPX Acc No: N01-059382

**Charger for e.g. lithium ion battery of camcorder, has microcomputers which individually operate constant-current charging unit and each constant-voltage charging unit based on detected battery condition**

Patent Assignee: CANON KK (CANO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000324708	A	20001124	JP 99130520	A	19990511	200109 B

Priority Applications (No Type Date): JP 99130520 A 19990511

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000324708	A		11	H02J-007/02	

JP 2000324708 A

Abstract (Basic): JP 2000324708 A

NOVELTY - First and second constant-voltage charging units (3,12) perform the constant-voltage charging of first and second lithium ion batteries (6,14) respectively. A detector determines the charging condition of each battery. Microcomputers (4,13) individually operate a constant-current charging unit (2) and each constant-voltage charging unit based on the detected condition.

DETAILED DESCRIPTION - A constant-current charging unit (2) performs constant-current charging of first and second lithium ion batteries (6,14). INDEPENDENT CLAIMS are also included for the following:

- (a) a charging procedure;
- (b) a charging system;
- (c) an electronic device;
- (d) a computer-readable memory medium.

USE - For e.g. lithium battery of camcorder.

ADVANTAGE - Enables quick and efficient **charging** of batteries. **Reduces** size of **second** constant-voltage charging unit, thus size of camcorder can also be **reduced**.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of charging system.

Constant-current charging unit (2)

First and second constant-voltage charging units (3,12)

Microcomputers (4,13)

First and second lithium ion batteries (6,14)

pp; 11 DwgNo 1/12

Title Terms: CHARGE; LITHIUM; ION; BATTERY; CAMCORDER; MICROCOMPUTER;

INDIVIDUAL; OPERATE; CONSTANT; CURRENT; CHARGE; UNIT; CONSTANT; VOLTAGE;

CHARGE; UNIT; BASED; DETECT; BATTERY; CONDITION

Derwent Class: U24; W04; X16

International Patent Class (Main): H02J-007/02

International Patent Class (Additional): H02J-007/10

File Segment: EPI

23/5/20 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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013478634

WPI Acc No: 2000-650577/200063

XRAM Acc No: C00-197522

**Hydrogenation of heavy oil involves controlling ratio of aromatic carbon atoms to total carbon atoms present in asphaltene contained in heavy oil**

Patent Assignee: NIPPON OIL CO LTD (NIOC )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000265177	A	20000926	JP 9971356	A	19990317	200063 B

Priority Applications (No Type Date): JP 9971356 A 19990317

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000265177	A		7 C10G-065/04	

Abstract (Basic): JP 2000265177 A

NOVELTY - Hydrogenation and demetalization of heavy oil containing a petroleum group hydrocarbon comprising sulfur and metal is carried out in a reactor. A second process of desulfurization is then carried out. The aromatic index (ratio of aromatic carbon atoms to total carbon atoms present in asphaltene) of asphaltene in heavy oil is 0.5 or more and during the first process the ratio is 0.65 or less.

USE - For hydrogenation of heavy oil such as residue oil obtained by crystallization of crude oil.

ADVANTAGE - By maintaining the aromatic index of asphaltene during the first process, the reduction of desulfurization activity of catalyst during second process is inhibited. Deterioration of carbonaceous precursor is inhibited thereby preventing deterioration of catalyst of second process, and inflow of carbonaceous precursor from the first process to the second process is enabled. Thus, long term operativity of the apparatus is enabled.

pp; 7 DwgNo 0/0

Title Terms: HYDROGENATION; HEAVY; OIL; CONTROL; RATIO; AROMATIC; CARBON; ATOM; TOTAL; CARBON; ATOM; PRESENT; ASPHALTENE; CONTAIN; HEAVY; OIL

Derwent Class: H04

International Patent Class (Main): C10G-065/04

International Patent Class (Additional): B01J-023/88; C10G-045/08

File Segment: CPI

23/5/21 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012289630

**\*\*Image available\*\***

WPI Acc No: 1999-095736/199908

XRAM Acc No: C99-028354

**New nucleic acid encoding an attenuated human immunodeficiency virus - containing a deletion downstream of the primer binding site and is useful as a vaccine against acquired immune deficiency syndrome**

Patent Assignee: DAVIS-JEWISH GEN HOSPITAL MORTIMER B (DAVI-N)

Inventor: WAINBERG M A

Number of Countries: 082 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9900490	A2	19990107	WO 98CA617	A	19980626	199908 B
AU 9880969	A	19990119	AU 9880969	A	19980626	199922
CA 2208946	A	19981226	CA 2208946	A	19970626	199923

Priority Applications (No Type Date): CA 2208946 A 19970626

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9900490	A2	E 41	C12N-015/00	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU

CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9880969 A C12N-015/00 Based on patent WO 9900490

CA 2208946 A C12N-015/49

Abstract (Basic): WO 9900490 A

New nucleic acid encoding a mutant human immunodeficiency virus (HIV) containing a deletion in the wild-type sequence is new. The deletion is located immediately downstream of the primer binding site (PBS), and permits attenuation of the virus, as expressed by the PBS. More specifically, the deletion is within or includes either the 54 nucleotide segment immediately downstream of the PBS, or 16 nucleotide segment at the 3' end of the 54 nucleotide segment. The molecule also preferably includes the known M184V substitution.

Also claimed are: (1) an expression vector containing the nucleic acid molecule; (2) an attenuated HIV containing the nucleic acid molecule; and (3) production of an attenuated HIV: (i) making a proviral DNA clone of HIV containing the nucleic acid; (ii) transfecting cells with the proviral DNA; (iii) harvesting the attenuated HIV.

USE - The attenuated HIV (preferably HIV-1) forms a vaccine for immunizing a mammal (preferably a human) against HIV (claimed), which prevents acquired immunodeficiency syndrome (AIDS).

ADVANTAGE - The deletion in the 54-nucleotide segment reduces the fidelity of the RNA- and DNA-dependent DNA polymerization of M184V mutated HIV-1 reverse transcriptase (RT) (Hsu et al., Nucl. Acids. Res. 25(22): 4532-4536 (1997)). The 54-nucleotide segment is needed for efficient reverse transcription of the viral DNA product, and efficient generation of viral mRNA, which affects subsequent viral protein synthesis and infectivity. Both effects appear to be independent of each other. The **second** mutation in M184V **reduces** the **rate** of spontaneous mutation in the attenuated virus through successive generations, which **reduces** the chance of revertant mutations.

Dwg.1/9

Title Terms: NEW; NUCLEIC; ACID; ENCODE; ATTENUATE; HUMAN; IMMUNODEFICIENCY  
; VIRUS; CONTAIN; DELETE; DOWNSTREAM; PRIME; BIND; SITE; USEFUL; VACCINE;  
ACQUIRE; IMMUNE; DEFICIENT; SYNDROME

Derwent Class: B04; D16

International Patent Class (Main): C12N-015/00; C12N-015/49

International Patent Class (Additional): A61K-039/21; C12N-007/04

File Segment: CPI

23/5/22 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012219867 \*\*Image available\*\*

WPI Acc No: 1999-025973/199903

XRAM Acc No: C99-008157

XRPX Acc No: N99-019947

**Diode especially p-n, Schottky or combination diode - has shallow anode zone for reducing minority charge carrier injection and collection in drift layer**

Patent Assignee: FUJII ELECTRIC CO LTD (FJIE )

Inventor: FUJIHARA T; MIYASAKA Y

Number of Countries: 003 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19824514	A1	19981203	DE 1024514	A	19980602	199903 B
JP 10335679	A	19981218	JP 97143624	A	19970602	199910
US 6175143	B1	20010116	US 9888808	A	19980602	200106
US 6221688	B1	20010424	US 9888808	A	19980602	200125
			US 99386058	A	19990830	
US 20010017393	A1	20010830	US 9888808	A	19980602	200151

			US 99386058	A	19990830	
			US 2001793052	A	20010226	
US 20010035560	A1	20011101	US 9888808	A	19980602	200168
			US 99386058	A	19990830	
			US 2001793032	A	20010226	
US 6383836	B2	20020507	US 9888808	A	19980602	200235
			US 99386058	A	19990830	
			US 2001793052	A	20010226	

Priority Applications (No Type Date): JP 97143624 A 19970602

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19824514	A1		41	H01L-029/861	
JP 10335679	A		21	H01L-029/861	
US 6175143	B1			H01L-027/095	
US 6221688	B1			H01L-021/00	Div ex application US 9888808
US 20010017393	A1			H01L-027/95	Div ex application US 9888808
					Div ex application US 99386058
					Div ex patent US 6175143
					Div ex patent US 6221688
US 20010035560	A1			H01L-027/95	Div ex application US 9888808
					Cont of application US 99386058
					Div ex patent US 6175143
					Cont of patent US 6221688
US 6383836	B2			H01L-021/00	Div ex application US 9888808
					Div ex application US 99386058
					Div ex patent US 6175143
					Div ex patent US 6221688

Abstract (Basic): DE 19824514 A

A diode has (a) a first conductivity type first zone (1) bearing a first conductivity type second zone (2) of lower defect concentration; (b) an annular second conductivity type third zone (12) formed in a surface layer of the second zone (2); (c) a second conductivity type fourth zone (3a) formed in a second zone surface layer region within the third zone (12); and (d) respective main electrodes (4, 5) in contact with the first and fourth zones (1, 3a). The lowest resistance section of the fourth zone (3a) has a resistivity of at least 1/100 (preferably 0.3-30) times that of the second zone (2) and the depth of the fourth zone (3a) is less than that of the third zone (12), the fourth zone depth preferably being 0.01-0.5  $\mu$ m. Also claimed are similar diodes and processes for producing the diodes.

USE - As a p-n diode, a Schottky diode or a combination diode having a p-n junction and a Schottky contact.

ADVANTAGE - The amount of minority charge carriers injected into the drift layer ( **second** zone) is considerably **reduced** and **fewer charge** carriers collect in this layer so that the blocking recovery time is **shortened** . The diode has a high switching speed, low leakage **current** , low forward voltage and high avalanche breakdown resistance.

Dwg.1/46

Title Terms: DIODE; P; N; SCHOTTKY; COMBINATION; DIODE; SHALLOW; ANODE; ZONE; REDUCE; MINORITY; CHARGE; CARRY; INJECTION; COLLECT; DRIFT; LAYER  
Derwent Class: L03; U12  
International Patent Class (Main): H01L-021/00; H01L-027/095; H01L-027/95; H01L-029/861  
International Patent Class (Additional): H01L-021/329; H01L-029/04; H01L-029/47; H01L-029/812; H01L-029/872; H01L-031/07; H01L-031/108; H01L-031/36  
File Segment: CPI; EPI

23/5/23 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011754796 \*\*Image available\*\*

WPI Acc No: 1998-171706/199816

XRPX Acc No: N98-136522

**Subthreshold conduction sigmoid ramp converter for neural networks - includes switching device which selectively provides voltage from outside, increased voltage, and decreased voltage, based on voltage of charger**

Patent Assignee: KOREA TELECOM AUTHORITY (KOTE-N); KOREA TELECOM (KOTE-N); KANKOKU DENKI TSUSHIN KOSHA (KANK-N); KOREA TELECOM CORP (KOTE-N)

Inventor: HAN I S; HAN I

Number of Countries: 005 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2317981	A	19980408	GB 9720979	A	19971002	199816 B
FR 2754119	A1	19980403	FR 9712278	A	19971002	199820
JP 10269309	A	19981009	JP 97270067	A	19971002	199851
KR 98025572	A	19980715	KR 9643741	A	19961002	199927
US 5920212	A	19990706	US 97941105	A	19970930	199933
GB 2317981	B	20000920	GB 9720979	A	19971002	200047
KR 194761	B1	19990615	KR 9643741	A	19961002	200059
JP 3193328	B2	20010730	JP 97270067	A	19971002	200146

Priority Applications (No Type Date): KR 9643741 A 19961002

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2317981	A		17	G06G-007/60	
FR 2754119	A1			H03K-004/00	
JP 10269309	A		5	G06G-007/28	
KR 98025572	A			G06F-017/10	
US 5920212	A			H03K-004/06	
GB 2317981	B			G06G-007/60	
KR 194761	B1			G06F-017/10	
JP 3193328	B2		5	G06G-007/28	Previous Publ. patent JP 10269309

Abstract (Basic): GB 2317981 A

The control-type continuous ramp converting apparatus includes a first voltage controller for receiving a first voltage. The first voltage controller non-linearly increases a charged voltage in accordance with a differential continuous function on an exponential function. A second voltage controller receives a second voltage.

The **second** voltage controller non-linearly **reduces** a **charged** voltage in accordance with a differential continuous function of an exponential function. A charger charges an input **current**. Switching devices couple an outside voltage and the voltage controllers to the charger, for selectively providing a third voltage from the outside, an increased voltage and a **decreased** voltage based on the voltage of the charger.

Dwg.2a/3

Title Terms: CONDUCTING; SIGMOID; RAMP; CONVERTER; NEURAL; NETWORK; SWITCH; DEVICE; SELECT; VOLTAGE; INCREASE; VOLTAGE; DECREASE; VOLTAGE; BASED; VOLTAGE; CHARGE

Derwent Class: T02

International Patent Class (Main): G06F-017/10; G06G-007/28; G06G-007/60; H03K-004/00; H03K-004/06

International Patent Class (Additional): G06F-015/18; G06F-015/80; G06G-007/24

File Segment: EPI

**23/5/24 (Item 10 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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011720915 \*\*Image available\*\*

WPI Acc No: 1998-137825/199813

XRPX Acc No: N98-109649

**Stabilised DC-power supply circuit for e.g. computer - has first and second charging and discharging circuits which hold output voltage in more than stipulated charging time when charging and discharging are in-phase and when output voltage is reduced, respectively**

Patent Assignee: SONY CORP (SONY )



Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10014134	A	19980116	JP 96160062	A	19960620	199813 B

Priority Applications (No Type Date): JP 96160062 A 19960620

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10014134	A		7	H02J-009/06	

Abstract (Basic): JP 10014134 A

The circuit (10) has an output holding circuit (50) which consists of two charging and discharging circuits (50A,50B) with different charging and discharging time. When the charging and discharging time of both charging and discharging circuits are in-phase, the first charging and discharging circuit holds output voltage in more than stipulated charging time. When the output voltage is **reduced**, the **second charging** and discharging circuit holds the output voltage in more than stipulated charging time.

The first charging and discharging circuit has a capacitor (C1) while the second charging and discharging circuit has a diode (D) connected in parallel to the series connection of a capacitor (C2) and a resistor (R) to control the discharging of the capacitor.

ADVANTAGE - Prevents power fluctuation by lengthening holding time of output voltage. Prevents AC-DC converter from being damaged by charging current of capacitor of second charging and discharging circuit.

Dwg.1/9

Title Terms: STABILISED; DC; POWER; SUPPLY; CIRCUIT; COMPUTER; FIRST; SECOND; CHARGE; DISCHARGE; CIRCUIT; HOLD; OUTPUT; VOLTAGE; MORE; STIPULATED; CHARGE; TIME; CHARGE; DISCHARGE; PHASE; OUTPUT; VOLTAGE; REDUCE; RESPECTIVE

Index Terms/Additional Words: DIRECT; CURRENT

Derwent Class: T01; U24

International Patent Class (Main): H02J-009/06

International Patent Class (Additional): H02J-007/34; H02M-007/06

File Segment: EPI

23/5/25 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011535263 \*\*Image available\*\*

WPI Acc No: 1997-511744/199747

Related WPI Acc No: 1997-362790

XRPX Acc No: N97-426107

**Implantable atrial defibrillator - has pacing device containing rate control for commencing pacing at relatively high first rate and gradually reducing rate to lower second rate**

Patent Assignee: INCONTROL INC (INCO-N); CARDIAC PACEMAKERS INC (CARD-N)

Inventor: AYERS G M

Number of Countries: 011 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5676687	A	19971014	US 96659138	A	19960604	199747 B
			US 96730500	A	19961011	
EP 811399	A2	19971210	EP 97250170	A	19970603	199803
CA 2205271	A	19980411	CA 2205271	A	19970514	199835
CA 2205271	C	20010619	CA 2205271	A	19970514	200138

Priority Applications (No Type Date): US 96730500 A 19961011; US 96659138 A 19960604

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5676687	A		6	A61N-001/39	CIP of application US 96659138
					CIP of patent US 5645569
EP 811399	A2 E		7	A61N-001/39	

Designated States (Regional): AT BE CH DE DK FR LI NL SE  
CA 2205271 A A61N-001/365  
CA 2205271 C E A61N-001/365

Abstract (Basic): US 5676687 A

The defibrillator includes a cardioverting device for applying cardioverting electrical energy to atria of a heart when the atria are in need of cardioversion. A pacing device is used for pacing the atria of the heart immediately after application of cardioverting electrical energy to the atria of the heart. The pacing device includes a rate control for commencing the pacing at a relatively high first **rate** and gradually **reducing** the **rate** to a **lower second rate**.

A receiver/enclosure (32) includes a transceiver (82) for communicating with the external controller. The transceiver is coupled to a microprocessor (60) over a bi-directional bus (84). The transceiver receives the programmable operating parameters from an external controller and then conveys them to the microprocessor (60) for storage in memory (70) or internal cache (not shown). The transceiver also conveys various information, which it obtains from the microprocessor over bus (84) to the external controller.

USE/ADVANTAGE - For applying cardioverting electrical energy to atria of human heart in need of cardioversion. Provides post atrial cardioversion pacing, which returns atria to normal function while preventing reversion back to atrial fibrillation

Dwg.1/1

Title Terms: IMPLANT; ATRIUM; DEFIBRILLATE; PACE; DEVICE; CONTAIN; RATE; CONTROL; COMMENCE; PACE; RELATIVELY; HIGH; FIRST; RATE; GRADUAL; REDUCE; RATE; LOWER; SECOND; RATE

Derwent Class: P34; S04; S05; T01

International Patent Class (Main): A61N-001/365; A61N-001/39

File Segment: EPI; EngPI

23/5/26 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011194916 \*\*Image available\*\*

WPI Acc No: 1997-172841/199716

XRPX Acc No: N97-142764

**Electric power converter control method - by directly controlling AC output current of first converter based on presumed value by reducing variation rate of current command value of second converter**

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9037559	A	19970207	JP 95179784	A	19950717	199716 B

Priority Applications (No Type Date): JP 95179784 A 19950717

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9037559	A		6	H02M-007/48	

Abstract (Basic): JP 9037559 A

The method involves regulating the output voltage of a first converter (1). A second converter (4) converts direct current to alternating current. Both converters are connected to a DC main circuit which has a smoothing capacitor (6). The AC output current of the second converter is controlled by a current controller (10). The AC output current of the first converter is controlled based on the AC current variation.

The AC output current of the first converter is directly controlled according to a presumed value by decreasing the variation rate of the current command value of the second converter.

ADVANTAGE - Reduces capacity of smoothing capacitor since voltage variation at both converters is prevented.

Dwg.1/4

Title Terms: ELECTRIC; POWER; CONVERTER; CONTROL; METHOD; CONTROL; AC;  
OUTPUT; CURRENT; FIRST; CONVERTER; BASED; VALUE; REDUCE; VARIATION; RATE;  
CURRENT; COMMAND; VALUE; SECOND; CONVERTER  
Derwent Class: U21; X12; X13  
International Patent Class (Main): H02M-007/48  
International Patent Class (Additional): H02J-003/36  
File Segment: EPI

23/5/27 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010988219 \*\*Image available\*\*  
WPI Acc No: 1996-485168/199648  
XRPX Acc No: N96-408751

Variable slew control for output buffers in integrated circuits - has  
first line receiving input signal to output circuit and second line  
programmable to one of two states, with pull-up control circuit coupled  
to second slew node to reduce rate

Patent Assignee: CYPRESS SEMICONDUCTOR CORP (CYPR-N)  
Inventor: CHEUNG S S Y; LUI H Y  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5568081	A	19961022	US 95483068	A	19950607	199648 B

Priority Applications (No Type Date): US 95483068 A 19950607

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5568081	A		17	H03K-017/16	

Abstract (Basic): US 5568081 A

The output circuit includes first line that receives an input signal to the output circuit, second line selectable to have one of two states, first circuit coupled to the first line having a first slew node, responsive to the input signal that controls a voltage on the first slew node, second circuit coupled to the first line having second slew node, responsive to input signal that controls voltage on the second slew node, driver circuit coupled to the first and second circuits has first transistor responsive to the voltage on the first slew node and second transistor responsive to the voltage on the second slew node that generates an output signal.

A first variable slew control circuit coupled to the first slew node, first circuit, and second line, increases rate at which current at first slew node is driven to ground when the voltage at the first slew node is below a first predetermined voltage, and a second variable slew control circuit coupled to the second slew node, second circuit and second line, decreases rate at which current at the second slew node is driven to ground when voltage at second slew node approaches a second predetermined voltage.

ADVANTAGE - Reduces noise generated by output buffers.

Dwg.5/10

Title Terms: VARIABLE; SLEW; CONTROL; OUTPUT; BUFFER; INTEGRATE; CIRCUIT;  
FIRST; LINE; RECEIVE; INPUT; SIGNAL; OUTPUT; CIRCUIT; SECOND; LINE;  
PROGRAM; ONE; TWO; STATE; PULL; UP; CONTROL; CIRCUIT; COUPLE; SECOND;  
SLEW; NODE; REDUCE; RATE

Derwent Class: U13; U21  
International Patent Class (Main): H03K-017/16  
International Patent Class (Additional): H03K-017/687  
File Segment: EPI

23/5/28 (Item 14 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010851850 \*\*Image available\*\*

WPI Acc No: 1996-348803/199635  
XRPX Acc No: N96-294091

**Charging control method of battery group e.g. airtight form nickel and hydrogen storage battery for electric vehicle - involves reducing charging current to perform supplement charging in other conditions when amount of remaining charging capacity reaches capacitive reference value**

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU )  
Number of Countries: 001 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8163786	A	19960621	JP 94301167	A	19941205	199635 B
JP 3157688	B2	20010416	JP 94301167	A	19941205	200124

Priority Applications (No Type Date): JP 94301167 A 19941205

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8163786	A		12	H02J-007/02	
JP 3157688	B2		13	H02J-007/02	Previous Publ. patent JP 8163786

Abstract (Basic): JP 8163786 A

The method involves main charging in a first condition to a battery group with several storage batteries. The battery temp. of the battery group and the amount of remaining charging capacity are detected.

A capacitive reference value is calculated in proportion to the battery temp. A **charging current is reduced**, performing supplement **charging in second** condition when the amount of remaining charging capacity reaches the capacitive reference value.

ADVANTAGE - Changes charging to supplement charging based on suitable capacitive reference value with consideration to battery temp. Eliminates cause of overcharge when charging quantity by supplement charging is too large. Prolongs life of battery. Prevents early deterioration of battery. Performs supplement charging when dispersion in voltage of module battery is few. Reduces cause of overcharge. Detects battery deterioration and increase of internal resistance. Eliminates need to perform useless supplement charging. Changes charging conditions based on capacity of battery considering battery temp.

Dwg.3/12

Title Terms: CHARGE; CONTROL; METHOD; BATTERY; GROUP; AIRTIGHT; FORM; NICKEL; HYDROGEN; STORAGE; BATTERY; ELECTRIC; VEHICLE; REDUCE; CHARGE; CURRENT; PERFORMANCE; SUPPLEMENT; CHARGE; CONDITION; AMOUNT; REMAINING; CHARGE; CAPACITY; REACH; CAPACITANCE; REFERENCE; VALUE

Derwent Class: X16; X21

International Patent Class (Main): H02J-007/02

International Patent Class (Additional): H02J-007/04

File Segment: EPI

23/5/29 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010646069 \*\*Image available\*\*

WPI Acc No: 1996-143023/199615

XRPX Acc No: N96-119798

**Optical scanner optical system - has cylindrical surface whose refraction rate from optical axis is reduced to perform scanning**

Patent Assignee: DAINIPPON SCREEN SEIZO KK (DNIS )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8029714	A	19960202	JP 94166875	A	19940719	199615 B

Priority Applications (No Type Date): JP 94166875 A 19940719

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8029714	A		6	G02B-026/10	

Abstract (Basic): JP 8029714 A

The system consists of a semiconductor laser (10) whose light beam is focussed along the sub-scanning direction by a cylindrical lens (20). The light passes through the collimate lens (30) and is reflected by a polygonal mirror (40).

The light reflected by the mirror is passed through a lens group (50) and a second cylindrical lens (60). The surface which includes the optical axis and the sub-scanning direction are scanned. The optical scanner scans the surface by **reducing** the refraction **rate** of the **second** cylindrical lens from the optical axis.

ADVANTAGE - Prevents surface current generation. Provides scanner with low aberrations.

Dwg.1/3

Title Terms: OPTICAL; SCAN; OPTICAL; SYSTEM; CYLINDER; SURFACE; REFRACT; RATE; OPTICAL; AXIS; REDUCE; PERFORMANCE; SCAN

Derwent Class: P81; V07; W02

International Patent Class (Main): G02B-026/10

International Patent Class (Additional): G02B-009/00

File Segment: EPI; EngPI

23/5/30 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010544932 \*\*Image available\*\*

WPI Acc No: 1996-041885/199605

XRPX Acc No: N96-035128

**Method for preventing thermal runaway during temperature based control of battery charging voltage - involves using battery charging rectifier, battery temperature sensor and regulation control circuit to vary rectifier output voltage to predetermined profile**

Patent Assignee: AT & T CORP (AMTT ); LUCENT TECHNOLOGIES INC (LUCE )

Inventor: BULLOCK N K; FENT D G; NGUYEN T V

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 689275	A1	19951227	EP 95304086	A	19950614	199605 B
US 5623195	A	19970422	US 94263971	A	19940622	199722
CN 1115048	A	19960117	CN 95107056	A	19950620	199740
EP 689275	B1	19981118	EP 95304086	A	19950614	199850
DE 69506042	E	19981224	DE 606042	A	19950614	199906
			EP 95304086	A	19950614	

Priority Applications (No Type Date): US 94263971 A 19940622

Cited Patents: EP 308653; EP 385145; EP 532232; US 4125802; US 5289102; US 5339018; WO 9222120; WO 9407292

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 689275	A1	E	7	H02J-007/10	
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Designated States (Regional): DE FR GB

US 5623195	A		7	H01M-010/46	
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EP 689275	B1	E		H02J-007/10	
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Designated States (Regional): DE FR GB

DE 69506042	E			H02J-007/10	Based on patent EP 689275
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CN 1115048	A			G05F-001/10	
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Abstract (Basic): EP 689275 A

The thermal runaway prevention method involves monitoring the charging mode and temperature of the battery and controlling the charging mode in response to the monitored temperature. A battery charging rectifier (201) is used to feed battery terminals (205,206) with a voltage regulated according to a predetermined profile which depends upon the battery temperature as indicated by a battery temperature sense circuit (213).

Up to about 53deg.C., the voltage decreases with rise in temperature to prevent the charge current rising. The voltage applied is held constant (103) up to 75deg.C. to prevent accelerated grid

corrosion. On reaching a high threshold, 75deg.C., the voltage is dropped (104) to resist thermal runaway.

ADVANTAGE - Provides efficient charging with protection for battery and environment.

Dwg.1/4

Title Terms: METHOD; PREVENT; THERMAL; RUNAWAY; TEMPERATURE; BASED; CONTROL ; BATTERY; CHARGE; VOLTAGE; BATTERY; CHARGE; RECTIFY; BATTERY; TEMPERATURE; SENSE; REGULATE; CONTROL; CIRCUIT; VARY; RECTIFY; OUTPUT; VOLTAGE; PREDETERMINED; PROFILE

Derwent Class: U24; X16

International Patent Class (Main): G05F-001/10; H01M-010/46; H02J-007/10

International Patent Class (Additional): H01M-010/44

File Segment: EPI

23/5/31 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010540256 \*\*Image available\*\*

WPI Acc No: 1996-037210/199604

XRPX Acc No: N96-031507

**Charger in electrical cordless telephone - has uneven surface of first charging terminal of charger which makes contact with surface of second charging terminal of cordless telephone**

Patent Assignee: SANYO ELECTRIC CO LTD (SAOL )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7307169	A	19951121	JP 9498649	A	19940512	199604 B
JP 3026719	B2	20000327	JP 9498649	A	19940512	200020

Priority Applications (No Type Date): JP 9498649 A 19940512

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 7307169	A		5	H01M-010/46	
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JP 3026719	B2		5	H01M-010/46	Previous Publ. patent JP 7307169
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Abstract (Basic): JP 7307169 A

The charger has a charging circuit part which is used to charge a battery (7) in the cordless telephone. The uneven surface of the first charging terminal of the charger and the surface of the second charging terminal (4) of the cordless telephone contacts each other. Then the charging circuit part supplies current to the charging battery.

ADVANTAGE - Removes impurity adhered to **second charging terminal. Reduces** generation of poor electrical conductivity.

Dwg.1/6

Title Terms: CHARGE; ELECTRIC; CORD; TELEPHONE; UNEVEN; SURFACE; FIRST; CHARGE; TERMINAL; CHARGE; CONTACT; SURFACE; SECOND; CHARGE; TERMINAL; CORD; TELEPHONE

Derwent Class: W01; X16

International Patent Class (Main): H01M-010/46

International Patent Class (Additional): H02J-007/00; H04M-001/02;

H04Q-007/32

File Segment: EPI

23/5/32 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010329839 \*\*Image available\*\*

WPI Acc No: 1995-231682/199530

XRPX Acc No: N95-180615

**Data processing medium retaining stored data on S-RAM on memory card with back-up circuit - prevents charging between junction of positive electrode of first back-up and positive electrode of second back-up and external power supply so that second back-up does not charge from**

# external power supply

Patent Assignee: BERG ELECTRONICS MFG BV (BRGL ); BERG TECHNOLOGY INC  
(BRGL ); CONNECTOR SYSTEMS TECHNOLOGY NV (CONN-N)

Inventor: AMANO K

Number of Countries: 019 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9516940	A1	19950622	WO 94US14364	A	19941213	199530	B
JP 7201187	A	19950804	JP 93318053	A	19931217	199540	
EP 734546	A1	19961002	WO 94US14364	A	19941213	199644	
			EP 95905933	A	19941213		
EP 734546	A4	19970820	EP 95905933	A	19941213	199814	
US 5761061	A	19980602	WO 94US14364	A	19941213	199829	
			US 96663314	A	19960816		
TW 387067	A	20000411	TW 95100069	A	19950106	200060	
EP 734546	B1	20011017	WO 94US14364	A	19941213	200169	
			EP 95905933	A	19941213		
DE 69428711	E	20011122	DE 628711	A	19941213	200201	
			WO 94US14364	A	19941213		
			EP 95905933	A	19941213		

Priority Applications (No Type Date): JP 93318053 A 19931217

Cited Patents: US 3816768; US 4492876; US 4677311; US 5033882; DE 4026798;  
EP 437129; US 3982141

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9516940	A1	E 20	G05B-009/02	
			Designated States (National): US	
			Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE	
JP 7201187	A	8	G11C-011/413	
EP 734546	A1	E 20	G05B-009/02	Based on patent WO 9516940
			Designated States (Regional): DE FR GB	
EP 734546	A4		G05B-009/02	
US 5761061	A		G05B-009/02	Based on patent WO 9516940
TW 387067	A		G06F-001/26	
EP 734546	B1	E	G05B-009/02	Based on patent WO 9516940
			Designated States (Regional): DE FR GB	
DE 69428711	E		G05B-009/02	Based on patent EP 734546
				Based on patent WO 9516940

Abstract (Basic): WO 9516940 A

The data processing medium contains a semiconductor element which can store data, which comprises a voltage input terminal connected to an external power supply from which a voltage supply line is extended to supply a voltage to operate the semiconductor. A detachable back-up, a main battery (18) has a positive electrode coupled to the semiconductor via the voltage supply line which backs up the stored data during the time when the external power supply is disconnected from the input terminal.

A second back-up, an auxiliary battery (20) has its positive electrode connected to the positive electrode of the first back-up so as to be charged from the first backup, which backs up the stored data in the semiconductor during the time when the external power supply is disconnected from the voltage input terminal and the first back-up is detached.

ADVANTAGE - Prevents charging **current** from flowing from external power supply into second back-up before replacement of first back-up, and can **reduce** number of **charges** and discharges of **second** back-up.

Dwg.1/2

Title Terms: DATA; PROCESS; MEDIUM; RETAIN; STORAGE; DATA; RAM; MEMORY; CARD; BACK-UP; CIRCUIT; PREVENT; CHARGE; JUNCTION; POSITIVE; ELECTRODE; FIRST; BACK-UP; POSITIVE; ELECTRODE; SECOND; BACK-UP; EXTERNAL; POWER; SUPPLY; SO; SECOND; BACK-UP; CHARGE; EXTERNAL; POWER; SUPPLY

Derwent Class: T01; U24; X16

International Patent Class (Main): G05B-009/02; G06F-001/26; G11C-011/413

International Patent Class (Additional): G11C-005/14

File Segment: EPI

23/5/33 (Item 19 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010240626 \*\*Image available\*\*  
WPI Acc No: 1995-141881/199519  
XRAM Acc No: C95-065498  
XRPX Acc No: N95-111541

Processing silver halide reversal material - comprises 1st development by black-and-white developer soln., 2nd development and fixing, reducing replenishment rate without generating sludge, etc.

Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7064251	A	19950310	JP 93353679	A	19931229	199519 B

Priority Applications (No Type Date): JP 93169625 A 19930616

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7064251	A		80	G03C-005/50	

Abstract (Basic): JP 7064251 A

The method comprises first development by a black-and-white developer soln., followed by a second development, then by the fixing process, in which (1) the black-and-white developer soln. contains dihydroxybenzene sulphonate as the developing agent, (2) the soln. is contacted with an aq. soln. of electrolyte through an intervened anion exhcange membrane, (3) the cathode is soaked in the developer tank and the anode in the electrolyte soln., respectively and (4) an appropriate electric voltage is applied between the electrode.

Also claimed is the method for controlling the electric current in the above process based on the determination and feed back of the bromide concentration in electrolyte soln. Further claimed is the replenishment rate of 600 mL/m2 or less for the first developmetn of a colour reversal film.

ADVANTAGE - The process effectively regenerates the developing agent and removes bromide from the first developer soln., and reduces its replenishment rate, without generating sludges. In spite of low replenishment and/or regeneration the consistency of process quality is maintained.

In an example, provided are the parts of first developer tank (11) with the regenerating electrodialysis cell (21); the developer soln. (FD) is sent through P, F and H to the FD part of the electrodialysis cell; ion-exchange membrane A1 separate FD from the electrolyte soln. E; and bromide sensor 51 soaked in the electrolyte controls the dialysis. Regenerated FD is returned through P, F and H back to the devleoper tank 11.

Dwg.2/8

Title Terms: PROCESS; SILVER; HALIDE; REVERSE; MATERIAL; COMPRISE; DEVELOP; BLACK-AND-WHITE; DEVELOP; SOLUTION; DEVELOP; FIX; REDUCE; REPLENISH; RATE ; GENERATE; SLUDGE

Derwent Class: E14; G06; J03; P83; P84; S06

International Patent Class (Main): G03C-005/50

International Patent Class (Additional): C02F-001/469; G03C-001/34; G03C-001/43; G03C-001/76; G03C-005/31; G03C-007/407; G03D-003/00; G03D-011/00

File Segment: CPI; EPI; EngPI

23/5/34 (Item 20 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009674908



WPI Acc No: 1993-368461/199346  
Related WPI Acc No: 1994-199442; 1994-340868  
XRAM Acc No: C93-163497  
XRPX Acc No: N93-284451

**Method of recovering and removing metals from waste materials by indirect chemical reduction - includes dissolving the metal contg. intermediate in a molten metal bath**

Patent Assignee: MOLTEN METAL TECHNOLOGY INC (MOLT-N)

Inventor: BACH R D; JOHNSTON J E; NAGEL C J

Number of Countries: 044 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9322001	A1	19931111	WO 93US3827	A	19930423	199346 B
ZA 9303002	A	19940126	ZA 933002	A	19930428	199410
AU 9341134	A	19931129	AU 9341134	A	19930423	199411
US 5324341	A	19940628	US 92879978	A	19920505	199425
EP 639091	A1	19950222	EP 93910749	A	19930423	199512
			WO 93US3827	A	19930423	
JP 7507229	W	19950810	JP 93519394	A	19930423	199540
			WO 93US3827	A	19930423	
EP 639091	B1	19960703	EP 93910749	A	19930423	199631
			WO 93US3827	A	19930423	
DE 69303482	E	19960808	DE 603482	A	19930423	199637
			EP 93910749	A	19930423	
			WO 93US3827	A	19930423	
ES 2089821	T3	19961001	EP 93910749	A	19930423	199645
AU 673527	B	19961114	AU 9341134	A	19930423	199702
RU 2106416	C1	19980310	WO 93US3827	A	19930423	199843
			RU 9446083	A	19930423	
BR 9306489	A	19980915	BR 936489	A	19930423	199844
			WO 93US3827	A	19930423	

Priority Applications (No Type Date): US 92879978 A 19920505

Cited Patents: 2.Jnl.Ref; EP 453904; EP 85153; JP 1228586; JP 58073742; WO 8602847; WO 9201492

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9322001	A1	E	42	A62D-003/00	
Designated States (National): AT AU BB BG BR CA CH CZ DE DK ES FI GB HU JP KP KR LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US VN					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE					
ZA 9303002	A		39	C22B-000/00	
AU 9341134	A			A62D-003/00	Based on patent WO 9322001
US 5324341	A		13	C21B-015/00	
EP 639091	A1	G	11	A62D-003/00	Based on patent WO 9322001
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE					
JP 7507229	W		13	B09B-003/00	Based on patent WO 9322001
EP 639091	B1	E	15	A62D-003/00	Based on patent WO 9322001
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE					
DE 69303482	E			A62D-003/00	Based on patent EP 639091
					Based on patent WO 9322001
ES 2089821	T3			A62D-003/00	Based on patent EP 639091
AU 673527	B			A62D-003/00	Previous Publ. patent AU 9341134
					Based on patent WO 9322001
BR 9306489	A			A62D-003/00	Based on patent WO 9322001
RU 2106416	C1			C22B-005/00	

Abstract (Basic): WO 9322001 A

A method for the indirect chemical **reduction** of a component **present** in waste. The waste is introduced into a bath of molten metal which includes a first metal-containing **reducing** agent. The waste component is chemically **reduced** to form a dissolved metal-containing intermediates. The metal **present** in this intermediate is then chemically **reduced**, under the operating conditions of the bath, by a **second reducing** agent. The **rate** of this **second** chemical

**reduction** relative to the rate at which the original waste component is introduced into the bath, is such that, essentially all the metal-containing intermediate formed dissolves in the molten metal bath and is metal-containing intermediate formed dissolves in the molten metal bath and is subsequently **reduced**. Thus, the original waste component is indirectly **reduced**. Also claimed is a method in which the dissolved metal-containing intermediate obtained in the first step described above, is reacted with a metal-ligand exchange reagent to form a metal-ligand exchange product which includes the metal of the intermediate. This metal-ligand exchange product is then subsequently **reduced** by the second **reducing** agent at an appropriate rate as described above thereby indirectly **reducing** the waste component.

USE/ADVANTAGE - The method describes an environmentally sound process for the separation, recovery and decontamination of metals from waste materials. The volume of highly toxic metals emitted to the atmosphere or landfilled can be substantially reduced. As the metal-containing intermediate is dissolved in the molten metal bath, the efficiency of particle collisions and the good heat transfer means that the reduction step is highly efficient and overall reaction yield is high compared to other high volume production methods presently used. Only near-stoichiometric amounts of the second reducing agent are required.

Dwg.1/1

Title Terms: METHOD; RECOVER; REMOVE; METAL; WASTE; MATERIAL; INDIRECT; CHEMICAL; REDUCE; DISSOLVE; METAL; CONTAIN; INTERMEDIATE; MOLTEN; METAL; BATH

Derwent Class: D15; J04; K07; M24; M25; P35; P43

International Patent Class (Main): A62D-003/00; B09B-003/00; C21B-015/00; C22B-000/00; C22B-005/00

International Patent Class (Additional): C22B-005/02; C22B-005/04; C22B-007/00

File Segment: CPI; EngPI

23/5/35 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009360271

WPI Acc No: 1993-053749/199307

Related WPI Acc No: 1993-053748

XRAM Acc No: C93-024099

XRPX Acc No: N93-040989

**Improved conversion of silica to silicon@ using electro-furnace - comprises addn. of small amt. of magnesium silicate which improves the conversion of evaporated silicon monoxide**

Patent Assignee: APPLIED IND MATERIALS CORP (INMA-N); LASK G (LASK-I);

AIMCOR APPLIED IND MATERIALS (AIMC-N)

Inventor: LASK G; LASK G W

Number of Countries: 007 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4126255	A1	19930211	DE 4126255	A	19910808	199307 B
AU 9220776	A	19930211	AU 9220776	A	19920804	199313
NO 9203074	A	19930209	NO 923074	A	19920805	199315
BR 9203073	A	19930330	BR 923073	A	19920807	199317
CA 2075466	A	19930209	CA 2075466	A	19920806	199317
US 5284641	A	19940208	US 92923183	A	19920727	199407
DE 4126255	C2	19940224	DE 4126255	A	19910808	199408
AU 651231	B	19940714	AU 9220776	A	19920804	199432
DE 59202442	G	19950713	DE 502442	A	19920717	199533
			EP 92112203	A	19920717	
ES 2073217	T3	19950801	EP 92112203	A	19920717	199537
CA 2075466	C	19961029	CA 2075466	A	19920806	199703

Priority Applications (No Type Date): DE 4126255 A 19910808; DE 4126254 A 19910808

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4126255	A1		4	C01B-033/023	
US 5284641	A		4	C01B-033/02	
DE 4126255	C2		4	C01B-033/025	
AU 651231	B			C01B-033/025	Previous Publ. patent AU 9220776
DE 59202442	G			C01B-033/025	Based on patent EP 527353
ES 2073217	T3			C01B-033/025	Based on patent EP 527353
AU 9220776	A			C01B-033/025	
NO 9203074	A			C01B-033/025	
BR 9203073	A			C01B-033/025	
CA 2075466	A			C01B-033/023	
CA 2075466	C			C01B-033/023	

Abstract (Basic): DE 4126255 A

Silicon is mfd. by the conversion of quartz in an electro-furnace using a fill of preforms of fine quartz and a fine grained carbon medium as well as coarse quartz. The conversion consists of a first stage in which a coke structure with open pores is formed by the formation of SiC by reduction of fine grained SiO<sub>2</sub>. The second stage occurs in the bottom of the furnace and consists of redn. of coarse quartz by SiC under the formation of gaseous Si-oxide. The feature is that Mg-silicate is added to the preforms in a quantity which measures a Si yield improvement of at least 5 wt.%, pref. 10-20 wt.%. The furnace is operated in such a way that Mg-silicate in the upper parts is converted almost completely into Mg-carbide, pref. at a temp. below the m.pt., which converts the Si-oxide which is generated in the preforms and rises in the furnace.

Also claimed are the use of other silicates in the preforms which are converted into carbides in the furnace, and a process for the formation of the preforms.

USE/ADVANTAGE - The process improves the conversion yield of the process significantly without resulting in a large contamination of the end prod. by Mg, as this escapes at the end of the process. The contamination level can be made very low by using low contamination starting prods. The processes are assumed to occur as follows:  $MgSiO_3 + 4C = MgC_2 + SiO + 2CO$  then :  $MgC_2 + 2SiO = Mg + 2Si + 2CO$ . The liq. Si is rapidly converted to the carbide :  $Si + C = SiC$ . The Mg formed is gaseous and reacts easily with the C to form new carbide :  $Mg + 2C = MgC_2$ .

Dwg.0/0

Title Terms: IMPROVE; CONVERT; SILICA; SILICON; ELECTRO; FURNACE; COMPRISE; ADD; AMOUNT; MAGNESIUM; SILICATE; IMPROVE; CONVERT; EVAPORATION; SILICON; MONO; OXIDE

Derwent Class: E36; M25; M28; Q77

International Patent Class (Main): C01B-033/02; C01B-033/023; C01B-033/025

International Patent Class (Additional): F27B-001/09

File Segment: CPI; EngPI

23/5/36 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009269995 \*\*Image available\*\*

WPI Acc No: 1992-397407/199248

XRPX Acc No: N92-303119

**Transmitter output power automatic control device - includes series-connected third amplitude detector second low-pass filter and DC amplifier to improve output signal**

Patent Assignee: KHEIFETS A D (KHEI-I)

Inventor: BALABANOV V V; BOGDANOV I S; KHEIFETS A D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1707763	A1	19920123	SU 4635075	A	19890109	199248 B

Priority Applications (No Type Date): SU 4635075 A 19890109

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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Abstract (Basic): SU 1707763 A

The automatic power control device includes series-connected control signals shaper, reference frequencies unit, amplitude modulator, broad-band amplifier, tuned power amp., first amplitude detector and controlled changeover switch, and second amplitude detector. In order to improve the regulation smoothness by excluding overshoots and pauses in the output signal, the system now includes series-connected third amplitude detector, second low pass filter and d.c. amplifier, with its output connected to the first input of a comparison unit.

The signal output of the comparison unit (9) increases at a rate set by the exponential law of increase of the signal from the output of a **second** low-pass filter (13). **Reduction** in the **rate** of rise of the comparison unit's (9) output voltage results in **reduction** in pauses and lapses in the output signal of the automatic power regulation device.

USE - Radio engineering i.e. in frequency band radio transmitters.  
Bul. 3/23.1.92

Dwg.1/2

Title Terms: TRANSMIT; OUTPUT; POWER; AUTOMATIC; CONTROL; DEVICE; SERIES; CONNECT; THIRD; AMPLITUDE; DETECT; SECOND; LOW; PASS; FILTER; DC; AMPLIFY; IMPROVE; OUTPUT; SIGNAL

Derwent Class: U24; W02

International Patent Class (Main): H03L-005/02

International Patent Class (Additional): H04B-001/04

File Segment: EPI

23/5/37 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009046587 \*\*Image available\*\*

WPI Acc No: 1992-173958/199221

XRPX Acc No: N92-131050

**Sec. power supply single-pulse DC voltage converter - has capacitor connected between second lead of choke and second lead of prim. winding of transformer**

Patent Assignee: STAVROPOL POLY (STVP )

Inventor: BARABASH V I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1658325	A1	19910623	SU 4717401	A	19890711	199221 B

Priority Applications (No Type Date): SU 4717401 A 19890711

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
SU 1658325	A1		4 H02M-003/335	

Abstract (Basic): SU 1658325 A

When switching-off the transistor (6), the voltage applied to it slowly increases, due to charging of the second capacitor (14) through the diode (4) by the induction energy of the prim. winding (7) of the transformer (8). The peak power of the transistor (6) during its switching-off **reduces**. Pre-charging of the **second** capacitor (14) takes place during switching-on of the transistor (6). The pre-charging **current** is **limited** by the induction choke (3) forming the input RC filter with the first capacitor (5) of the converter.

USE/ADVANTAGE - In sec. power supply sources. Improved efficiency by reducing the peak power in the flipflop during its switching off.  
Bul.23/23.6.91.

Dwg.1/4

Title Terms: SEC; POWER; SUPPLY; SINGLE; PULSE; DC; VOLTAGE; CONVERTER; CAPACITOR; CONNECT; SECOND; LEAD; CHOKE; SECOND; LEAD; PRIMARY; WIND; TRANSFORMER

Derwent Class: U24; X12  
International Patent Class (Main): H02M-003/335  
File Segment: EPI

23/5/38 (Item 24 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008754781

WPI Acc No: 1991-258798/199135

XRPX Acc No: N91-197182

**Rock breaking method beneath loose layer - exploding charges in boreholes  
below loose layer with upper charges detonated before lower ones**

Patent Assignee: IRKUT POLY (IRRO )

Inventor: KULAGIN E Y U; PUSHKIN B Y A; SHISHKIN D P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1615541	A	19901223	SU 4639746	A	19890119	199135 B

Priority Applications (No Type Date): SU 4639746 A 19890119

Abstract (Basic): SU 1615541 A

The method of breaking up rocks with explosives in a situation where there is a layer of loose rock above the surface being worked consists of drilling boreholes underneath the layer of loose rock and applying two separate explosive charges. The two charges are detonated one after the other, with the upper one detonated first. The upper charge is placed **immediately** beneath the broken layer of rock and the amount of explosive used for this charge is of the order of 0.12 - 0.18 kg/m<sup>3</sup>. The detonation of the **second charge** continues the **break** up of the rock started by the first one, with the method **reducing** the amount of explosive required by 20-30 percent.

ADVANTAGE - Provides higher productivity. Bul.47/23.12.90. (2pp  
Dwg.No.0/0

Title Terms: ROCK; BREAK; METHOD; BENEATH; LOOSE; LAYER; EXPLOSIVE; CHARGE;  
BOREHOLE; BELOW; LOOSE; LAYER; UPPER; CHARGE; DETONATE; LOWER

Derwent Class: Q79

International Patent Class (Additional): F42D-003/04

File Segment: EngPI

23/5/39 (Item 25 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008733764

WPI Acc No: 1991-237780/199132

XRAM Acc No: C91-103382

**Beneficial agent delivery device - including short term agent delivery  
system and long term agent delivery system**

Patent Assignee: ALZA CORP (ALZA )

Inventor: AYER A D; ECKENHOFF J B; KUCZYNSKI A L; WRIGHT J C; AYER A

Number of Countries: 024 Number of Patents: 021

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9110423	A	19910725				199132 B
CA 2032923	A	19910711				199138
US 5045082	A	19910903	US 90463109	A	19900110	199138
PT 96337	A	19910930				199142
AU 9171569	A	19910805				199145
ZA 9010342	A	19911030	ZA 9010342	A	19901221	199149
FI 9203142	A	19920708	WO 90US7598	A	19901221	199239
			FI 923142	A	19920708	
EP 510062	A1	19921028	WO 90US7598	A	19901221	199244
			EP 91902329	A	19901221	
NO 9202656	A	19920706	WO 90US7598	A	19901221	199244

			NO 922656	A	19920706	
JP 5503100	W	19930527	WO 90US7598	A	19901221	199326
			JP 91502911	A	19901221	
AU 642704	B	19931028	AU 9171569	A	19901221	199350
EP 510062	B1	19940727	WO 90US7598	A	19901221	199429
			EP 91902329	A	19901221	
DE 69011131	E	19940901	DE 611131	A	19901221	199434
			WO 90US7598	A	19901221	
			EP 91902329	A	19901221	
ES 2056636	T3	19941001	EP 91902329	A	19901221	199440
IE 62391	B	19950125	IE 904657	A	19901221	199517
NO 303862	B1	19980914	WO 90US7598	A	19901221	199843
			NO 922656	A	19920706	
US 5840074	A	19981124	US 90463109	A	19900110	199903
			WO 90US7598	A	19901221	
			US 92852248	A	19920602	
KR 158704	B1	19981201	KR 92701624	A	19920709	200032
FI 105011	B1	20000531	WO 90US7598	A	19901221	200033
			FI 923142	A	19920708	
CA 2032923	C	20000411	CA 2032923	A	19901221	200035
JP 3301612	B2	20020715	WO 90US7598	A	19901221	200253
			JP 91502911	A	19901221	

Priority Applications (No Type Date): US 90463109 A 19900110; US 92852248 A 19920602

Cited Patents: EP 281708; GB 1372040; GB 2189995; US 4643731; EP 226884; EP 237159; EP 321043; EP 325492; GB 2116842; GB 2167972; GB 2209280; GB 372040; US 4576604

#### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9110423	A				
Designated States (National): AU FI JP KR NO US					
Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL SE					
FI 9203142	A			A61K-000/00	
EP 510062	A1 E	30		A61K-009/22	Based on patent WO 9110423
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
NO 9202656	A			A61K-009/00	
JP 5503100	W	10		A61K-009/00	Based on patent WO 9110423
AU 642704	B			A61D-007/00	Previous Publ. patent AU 9171569
Based on patent WO 9110423					
EP 510062	B1 E	14		A61K-009/22	Based on patent WO 9110423
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
DE 69011131	E			A61K-009/22	Based on patent EP 510062
Based on patent WO 9110423					
ES 2056636	T3			A61K-009/22	Based on patent EP 510062
IE 62391	B			A61K-009/22	
NO 303862	B1			A61K-009/24	Previous Publ. patent NO 9202656
US 5840074	A			A61K-009/22	CIP of application US 90463109
CIP of patent US 5045082					
Based on patent WO 9110423					
KR 158704	B1			A61K-009/22	
FI 105011	B1			A61K-009/22	Previous Publ. patent FI 9203142
CA 2032923	C E			A61K-009/00	
JP 3301612	B2	9		A61K-009/00	Previous Publ. patent JP 5503100
Based on patent WO 9110423					

#### Abstract (Basic): WO 9110423 A

First beneficial agent (32) is incorporated in a beneficial agent delivery device (10) in contact with a second agent delivery system which includes a second beneficial agent (24) in a lumen defined by a fluid permeable, beneficial-agent impermeable, wall (12), the lumen also containing an expansion device (22) which displaces the second beneficial agent through an exit (28) when the device is exposed to the environment of use.

Has a density device (26) to retain the dispenser (10) in the rumen of an animal with the exit provided by a passage (28) through the density device, the first beneficial agent being located in a chamber (30) in the passage (28) and secured therein by a perforated plate, a

screen or a porous or perforated membrane (16). The beneficial agent may be an anthelmintic, antiparasitic, antimicrobial, antibloat, antiflea, an estrus suppression, nutrient or hormonal, agent, or a mixt. thereof, e.g. avermectin ivermectin, selenium, melengestrol acetate, or mixts. thereof and can be formulated with a hydrophilic polymer.

USE/ADVANTAGE - In the medical and veterinary delivery of medicaments or nutrients to humans and animals over a prolonged period of time. Second beneficial agent delivery device has a relatively long start up time before the delivery rate reaches its normal rate. The first agent (32) is delivered quickly for a short time and compensates for the reduced initial rate of the second delivery system.

Dwg.0/11

Title Terms: BENEFICIAL; AGENT; DELIVER; DEVICE; SHORT; TERM; AGENT; DELIVER; SYSTEM; LONG; TERM; AGENT; DELIVER; SYSTEM

Derwent Class: A96; B07; C03; P32; P33; P34

International Patent Class (Main): A61D-007/00; A61K-000/00; A61K-009/00; A61K-009/22; A61K-009/24

International Patent Class (Additional): A23K-001/18; A61J-003/07; A61K-031/365; A61K-031/57; A61K-033/04; A61M-000/00

File Segment: CPI; EngPI

23/5/40 (Item 26 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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008074467 \*\*Image available\*\*

WPI Acc No: 1989-339579/198946

XRPX Acc No: N89-258472

**Colour video signal coding arrangement - selectively combines past reconstructed predictive signals in accordance with conditions of present and preceding video signal lines**

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT )

Inventor: GOODFELLOW D J; UTBERG D N

Number of Countries: 008 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4866510	A	19890912				198946 B
EP 361761	A	19900404	EP 89309503	A	19890919	199014
JP 2125597	A	19900514				199025
CA 1312371	C	19930105	CA 608170	A	19890811	199307

Priority Applications (No Type Date): US 88251283 A 19880930

Cited Patents: 2.Jnl.Ref; A3...9127; DE 3642394; JP 60041892; No-SR.Pub; US 4603347

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 4866510	A		24		
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EP 361761	A	E	9		
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Designated States (Regional): DE FR GB IT NL

CA 1312371	C		H04N-011/04
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Abstract (Basic): US 4866510 A

The differential pulse code arrangement samples the video signal at a predetermined rate of m times the colour sub-carrier frequency, predicting the **present** video signal sample from reconstructed past samples and forming signals representative of the prediction error in a predictive loop. The bit **rate** is further **reduced** in a **second** predictive loop embedded in the first predictive loop by generating a signal predictive of the error signal and forming a signal corresponding to the difference between the error signal and the predicted signal. The difference signal is quantised and encoded for transmission.

The error signal is reconstructed by summing the quantised difference signal and the predicted error signal and the prediction of the error signal is formed responsive to the sequence of past reconstructed error signals. The m-lth video signal sample is then

reconstructed by summing the reconstructed error signal and the signal predictive of the m-lth video sample and a signal predictive of the next occurring video sample is generated responsive to the sequence of past reconstructed video samples. (14pp Dwg.No  
Title Terms: COLOUR; VIDEO; SIGNAL; CODE; ARRANGE; SELECT; COMBINATION; PASS; RECONSTRUCT; PREDICT; SIGNAL; ACCORD; CONDITION; PRESENT; PRECEDE; VIDEO; SIGNAL; LINE  
Derwent Class: W04  
International Patent Class (Main): H04N-011/04  
International Patent Class (Additional): H04N-007/13  
File Segment: EPI

23/5/41 (Item 27 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007358487

WPI Acc No: 1987-355493/198750

XRPX Acc No: N87-266319

**Microprocessor controlled battery charger e.g. automobile battery - chargers at predetermined rate until rate of change of voltage with time is less than small amount of volts per hour**

Patent Assignee: ACME ELECTRIC CORP (ACME-N)

Inventor: BELL S R; MONSELL K; SUTPHIN R C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4710694	A	19871201	US 86869684	A	19860602	198750 B

Priority Applications (No Type Date): US 86869684 A 19860602

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 4710694	A	14		

Abstract (Basic): US 4710694 A

The battery charger comprises a device to connect the battery charger to the battery to be charged and a device to read the voltage of the battery. A microprocessor is connected to a timer and to the voltage reader for establishing a first charging rate for at least a short time period and for establishing a **reduced second charging rate** until the rate of change of voltage with time is **less than** x/100 volts per hour at which time the **current** is further **reduced** to a third charging rate for a finishing charge of the battery, where x is a positive number.

The value of the first charging rate is selected. The voltage reader is a comparison of the battery voltage with a reference value from the microprocessor.

ADVANTAGE - Efficiency in watts is increased.

1/7

Title Terms: MICROPROCESSOR; CONTROL; BATTERY; CHARGE; AUTOMOBILE; BATTERY; CHARGE; PREDETERMINED; RATE; RATE; CHANGE; VOLTAGE; TIME; LESS; AMOUNT; VOLT; PER; HOUR

Derwent Class: X16; X22

International Patent Class (Additional): H02J-007/00

File Segment: EPI

23/5/42 (Item 28 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007283143

WPI Acc No: 1987-280150/198740

XRPX Acc No: N87-209827

**product feed rate control method for weigh hopper - controlling flow rate in proportion to power of difference between reference and current wt. of product**



Patent Assignee: YAMATO SCALE CO LTD (YAMG )  
Inventor: HARAGUCHI M; KOHASHI T; NAGAO T  
Number of Countries: 004 Number of Patents: 006  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2188740	A	19871007	GB 872067	A	19870130	198740	B
DE 3706708	A	19871008	DE 3706708	A	19870302	198741	
FR 2596886	A	19871009				198748	
US 4766966	A	19880830	US 8715623	A	19870217	198837	
GB 2188740	B	19900509				199019	
DE 3706708	C2	19930415	DE 3706708	A	19870302	199315	

Priority Applications (No Type Date): JP 8671605 A 19860328

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2188740	A		9		
US 4766966	A		8		
DE 3706708	C2		8	G01G-013/295	

Abstract (Basic): GB 2188740 A

In the automatic weighing machine, during a time period t1 to t2, the flow rate of a product fed to a weigh hopper is controlled in proportion to the difference between a reference weight and the weight fed so far, all raised to a power in the range 0 to 1 exclusive, and preferably in the range 0.3 to 0.7 inclusive. Prior to this time period, product is fed to the hopper at an initial relatively high flow rate (feed aperture setting G1), until a fed weight W1 is attained.

Subsequent to the time period, when a fed weight W2 has been obtained, feeding continues at a relatively low rate (feed aperture setting G2) until a target weight W3 is attained. The product feeding method may be used in a combination weighing machine.

3/5

Title Terms: PRODUCT; FEED; RATE; CONTROL; METHOD; WEIGH; HOPPER; CONTROL; FLOW; RATE; PROPORTION; POWER; DIFFER; REFERENCE; CURRENT; WEIGHT; PRODUCT

Derwent Class: S02

International Patent Class (Main): G01G-013/295

International Patent Class (Additional): G01G-013/28; G05D-007/06

File Segment: EPI

23/5/43 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007239629

WPI Acc No: 1987-236637/198734

XRAM Acc No: C87-099899

**Injection moulding machine control - by determining time elapsed between flow reduction and point where pressure reaches predetermined value**

Patent Assignee: AUTOMATISIERUNGS & KUNST GMBH (AUTO-N); MANNESMANN DEMAG KUNSTSTOFF (MANS ); FORSCH UMFORM PLAST (UMFO-N); MANNESMANN DEMAG KUNSTSTOFFTECHNIK WIEHE GMBH (MANS ); VEB PLASTMASCHINENWERK WIEHE (PLMW )

Inventor: HUMMEL E; PANHANS F; SCHNEIDER H; WYSTEMP G

Number of Countries: 011 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 233548	A	19870826	EP 87101505	A	19870204	198734	B
JP 62193817	A	19870826	JP 8732284	A	19870214	198740	
DD 246078	A	19870527				198741	
DD 249886	A	19870923				198807	
DD 246078	B	19900228				199032	
EP 233548	B1	19920715	EP 87101505	A	19870204	199229	
DE 3780322	G	19920820	DE 3780322	A	19870204	199235	
			EP 87101505	A	19870204		
ES 2033699	T3	19930401	EP 87101505	A	19870204	199323	
DD 249886	B5	19940203	DD 291181	A	19860611	199409	

Priority Applications (No Type Date): DD 291181 A 19860611; DD 287035 A 19860214  
 Cited Patents: 1.Jnl.Ref; A3...8906; DE 2209602; DE 2429874; JP 59214629; No-SR.Pub; US 3792134; US 3859400  
 Patent Details:  

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 233548	A	G	15		
Designated States (Regional): AT CH DE ES FR GB IT LI NL					
EP 233548	B1	G	17	B29C-045/76	
Designated States (Regional): AT CH DE ES FR GB IT LI NL					
DE 3780322	G			B29C-045/76	Based on patent EP 233548
ES 2033699	T3			B29C-045/76	Based on patent EP 233548
DD 249886	B5			B29C-045/77	

Abstract (Basic): EP 233548 A

Regulating the injection moulding process in a hydraulic injection moulding machine, involving switch over from injection to holding pressure as the flow rate (Q) is suddenly **reduced**, utilises a pressure-measuring unit for the pressure (P). The period between the **instant** at which injection flow rate changes to holding flow rate and the **instant** at which a predetermined pressure or the resultant change in pressure is reached, or an associated signal, or alternatively the period between the first time a predetermined pressure is reached as the flow **rate** is **reduced** and the **second** time this same or another preselected pressure is reached, are determined; alternatively the stroke of the injection piston at the **instant** of flow **reduction** is measured. The change in the piston stroke until the time when a predetermined pressure or the pressure before **reduction** in flow is reached, or the pressure difference value between maximum pressure at flow **reduction** and minimum pressure after this **reduction** is determined; these are used as comparison variables for regulating the process.

USE/ADVANTAGE - For regulating an injection moulding machine. Adequate maintenance of holding pressure is achieved without excessively overloading the machine by allowing runaway pressure up the line.

0/3

Title Terms: INJECTION; MOULD; MACHINE; CONTROL; DETERMINE; TIME; ELAPSED; FLOW; REDUCE; POINT; PRESSURE; REACH; PREDETERMINED; VALUE  
 Derwent Class: A32; Q57  
 International Patent Class (Main): B29C-045/76; B29C-045/77  
 International Patent Class (Additional): F15B-015/22  
 File Segment: CPI; EngPI

23/5/44 (Item 30 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
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004736160

WPI Acc No: 1986-239502/198637

XRPX Acc No: N86-178903

**Two-phase charging process for accumulators - keeping charging current constant until value of 85 per-cent of previously taken amount is reached**

Patent Assignee: MAIER E (MAIE-I)

Inventor: MAIER E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3507223	A	19860904	DE 3507223	A	19850301	198637 B

Priority Applications (No Type Date): DE 3507223 A 19850301

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3507223	A		6		

Abstract (Basic): DE 3507223 A

In the first phase the charging **current** remains essentially constant but in the **second charging** phase is **reduced** according to a **falling** function w.r.t time.

In the first charging phase, the current is taken up until a value of 85% of the previously extracted charging amount is reached. In the second charging phase the current is reduced until it has reached the level of the self-discharge current. The charging current remains continuously below the limiting current of the charge taken up by the electrodes.

ADVANTAGE - Overcomes problem of hydrogen and oxygen gases during the charge and high self discharge of negative electrode. (6pp

Dwg.No.0/2

Title Terms: TWO-PHASE; CHARGE; PROCESS; ACCUMULATOR; KEEP; CHARGE; CURRENT ; CONSTANT; VALUE; PER; CENT; AMOUNT; REACH

Derwent Class: X16

International Patent Class (Additional): H01M-010/44; H02J-007/04

File Segment: EPI

23/5/45 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004553065

WPI Acc No: 1986-056409/198609

XRPX Acc No: N86-041228

**Car battery rapid charging system - uses first high charge current, followed by reduced charge current during preset charge time, or up to higher voltage limit value**

Patent Assignee: BOSCH GMBH ROBERT (BOSC )

Inventor: HOLLENBERG H; JOOS G; MEYERSTAUF T

Number of Countries: 006 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3429673	A	19860220	DE 3429673	A	19840811	198609 B
EP 174445	A	19860319	EP 85107412	A	19850615	198612
DE 3429673	C	19910124				199104

Priority Applications (No Type Date): DE 3429673 A 19840811

Cited Patents: A3...8741; GB 2028029; GB 2086674; No-SR.Pub; US 4439719; WO 8400614

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

DE 3429673 A 15

EP 174445 A G

Designated States (Regional): AT CH DE FR IT LI

Abstract (Basic): DE 3429673 C

The voltage applied to the terminals of the lead accumulator battery is monitored, and the charging is interrupted on exceeding of preset limited values of battery voltage and/or charging period. First a high rapid charging current is applied up to a first limit value of the battery voltage, or to the end of a first preset charging period.

At the end of the first charging period the charging is interrupted when the first voltage **limit** value has not been reached. If the first charging **limit** value has been reached during the first charging period, the charging is carried out with a **reduced charging current** up to reaching a **second**, higher voltage **limit** value, or up to the end of a second preset charging period. During the first charging period the **limit** value of the permissible battery voltage is raised in order to prevent undesirable disconnection, caused by voltage increase due to sulphating.

ADVANTAGE - Rapid battery charging facility using a simple and low-cost charger. (15pp Dwg.No.2/2

Title Terms: CAR; BATTERY; RAPID; CHARGE; SYSTEM; FIRST; HIGH; CHARGE; CURRENT; FOLLOW; REDUCE; CHARGE; CURRENT; PRESET; CHARGE; TIME; UP; HIGH; VOLTAGE; LIMIT; VALUE

Derwent Class: X16; X22

International Patent Class (Additional): H01M-010/44; H02J-007/00  
File Segment: EPI

23/5/46 (Item 32 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004241662

WPI Acc No: 1985-068540/198512

XRPX Acc No: N85-051398

**Switch mode power control circuit using phase inversion - uses zero crossing switching with variable extinction angle to provide power control with reduced harmonic content**

Patent Assignee: GENERAL ELECTRIC CO (GENE )

Inventor: BLOOMER M D

Number of Countries: 007 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
BE 900501	A	19850305	BE 900501	A	19840905	198512 B
DE 3432225	A	19850321	DE 3432225	A	19840901	198513
FR 2551597	A	19850308				198515
GB 2146499	A	19850417	GB 8421347	A	19840822	198516
NL 8402715	A	19850401				198518
US 4528494	A	19850709	US 83529296	A	19830906	198530
BR 8404527	A	19850806				198538

Priority Applications (No Type Date): US 83529296 A 19830906

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
BE 900501	A		40		

Abstract (Basic): BE 900501 A

The power control circuit controls the conduction angle of the current supplied to an electrical load. The load (11) is connected in series with electronic switching devices (32) and with the AC supply (12).

The control circuit switches the AC **current** at the voltage zero crossing and cuts off the **current** part way through the voltage cycle to control the power flow to the load, resulting in **reduction** in electromagnetic interference and harmonic generation. The control circuit comprises a zero crossing detector (22) to turn the power devices (32); a **second** circuit (30) which controls the **rate** of **reduction** of load **current**; and a third circuit (28) which acts as a **current limit** circuit.

ADVANTAGE - Power control circuit with current limitation to reduce device rating requirement, and switching at zero crossing to reduce switching harmonics.

2/4

Title Terms: SWITCH; MODE; POWER; CONTROL; CIRCUIT; PHASE; INVERT; ZERO; CROSS; SWITCH; VARIABLE; EXTINCTION; ANGLE; POWER; CONTROL; REDUCE; HARMONIC; CONTENT

Derwent Class: U22; U24

International Patent Class (Additional): G05F-001/45; H02H-009/02;

H02J-001/14; H02M-001/08; H02M-005/29; H02P-013/30; H03K-017/13

File Segment: EPI

23/5/47 (Item 33 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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004137816

WPI Acc No: 1984-283356/198446

XRPX Acc No: N84-211474

**Two stage battery charging operation - uses constant charge followed by lower charge, switching between higher and lower levels**

Patent Assignee: DETA-AKKUMULATOR (DETA-N)

Inventor: BOTHE F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3328994	C	19841108	DE 3328994	A	19830811	198446 B

Priority Applications (No Type Date): DE 3328994 A 19830811

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 3328994	C	6		

Abstract (Basic): DE 3328994 C

The method of charging lead/acid accumulators includes a first step in which the charge is regulated to permit gas generation and a **second** step in which the **charging rate** is **reduced**. During the **second** step, the **current** is continuously switched between upper and **lower** levels, the gasification voltage being exceeded during the higher level periods. During the **lower** level periods, the voltage is below the gasification voltage.

Alternatively the voltage is very slightly above the gasification voltage during the lower level periods. The current charge is changed over between the higher and lower levels for at least a minute. The lower charge is applied for between four and sixteen minutes and the higher charge applied between one and four minutes.

ADVANTAGES - Excessive acid layer formation and gas generation is prevented.

0/1

Title Terms: TWO; STAGE; BATTERY; CHARGE; OPERATE; CONSTANT; CHARGE; FOLLOW ; LOWER; CHARGE; SWITCH; HIGH; LOWER; LEVEL

Derwent Class: X16

International Patent Class (Additional): H01M-010/44; H02J-007/04

File Segment: EPI

23/5/48 (Item 34 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004033120

WPI Acc No: 1984-178662/198429

XRPX Acc No: N84-133392

**High speed document handling and sorting appts. - delivers sheets from stack one at a time through examination station to produce signals for evaluation using microprocessor**

Patent Assignee: BRANDT INC (BRAN-N)

Inventor: HORVATH S J; WILCOX S R

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2133141	A	19840718	GB 84405	A	19820510	198429 B
GB 2133141	B	19850703				198527

Priority Applications (No Type Date): GB 84405 A 19820510

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2133141	A	52		

Abstract (Basic): GB 2133141 A

A light source is positioned to one side of a predetermined path and a light sensor is positioned on the opposite side of the path to receive light modulated by passing sheets. The output signals from the sensors are applied to hole detection circuits in which the signal is applied simultaneously to a comparator and amplitude **limiter** circuit. The output of the comparator is compared with the output of the **limiter**, an increase in light intensity causing the **second** comparator to **reduce** the **slew rate** of a **slew rate limiter**.

The output from the **slew rate limiter** circuit is applied to the other input of the first comparator, which indicates the presence of a

hole when the instantaneous level of the sensor signal exceeds that from the slow rate limiter. When less than all of the circuits indicate maximum brightness a hole detection signal is passed through the appropriate gates.

USE/ADVANTAGE - For cheques paper currency and food and premium coupons. Sorts sheets in uninterrupted manner and has operations enabled at no loss in speed.

0/29

Title Terms: HIGH; SPEED; DOCUMENT; HANDLE; SORT; APPARATUS; DELIVER; SHEET  
; STACK; ONE; TIME; THROUGH; EXAMINATION; STATION; PRODUCE; SIGNAL;  
EVALUATE; MICROPROCESSOR

Derwent Class: S03; T05

International Patent Class (Additional): G01N-021/89

File Segment: EPI

23/5/49 (Item 35 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004002179

WPI Acc No: 1984-147721/198424

XRFX Acc No: N84-109836

**Fusible element for current limiting fuse in HV circuit - has conductive ribbon with holes and two regions of different widths for high and low voltage faults**

Patent Assignee: S & C ELECTRIC CO (SCEL-N)

Inventor: JAROSZ J M; PANAS W R

Number of Countries: 013 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 110492	A	19840613	EP 83303618	A	19830623	198424 B
US 4481495	A	19841106	US 82437776	A	19821029	198447
CA 1196942	A	19851119				198551
EP 110492	B	19861217				198651
DE 3368480	G	19870129				198705

Priority Applications (No Type Date): US 82437776 A 19821029

Cited Patents: FR 2287102; FR 2394168; GB 738344; No-SR.Pub; US 3400235; US 4123728; US 4123738; US 4179677; US 4210892; US 4359708

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 110492	A	E	26	
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 110492	B	E		
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Designated States (Regional): AT BE CH DE FR GB IT LI NL SE

Abstract (Basic): EP 110492 A

The fusible element (12) is a ribbon of e.g. copper or silver of uniform thickness having groups of two or more holes or notches, adjacent holes or notches being closer spaced than adjacent groups. The ribbon has regions of different width alternately along the ribbon, the groups of holes or notches being in respective region of lesser width.

The elements (12) are carried on an insulative cylinder (16) surrounded by an insulative housing (30) of resin with fulgurite-forming medium of e.g. silicon or quartz sand in the intervening space (32). Pref. the groups of holes and regions of differing width of the ribbons (12) are aligned along the tube (16). Higher and lower voltage fault currents are interrupted and the arc voltage during low voltage faults does not exceed a predetermined value.

1/4

Title Terms: FUSE; ELEMENT; CURRENT; LIMIT; FUSE; HV; CIRCUIT; CONDUCTING;  
RIBBON; HOLE; TWO; REGION; WIDTH; HIGH; LOW; VOLTAGE; FAULT

Derwent Class: X13

International Patent Class (Additional): H01H-085/10

File Segment: EPI

23/5/50 (Item 36 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003940646

WPI Acc No: 1984-086190/198414

XRPX Acc No: N84-064201

**Corona charging station for electrophotographic copier - includes two  
chargers providing uniform charge on photoconductor surface with one  
charger using flexible wires to shake charge**

Patent Assignee: ANONYMOUS (ANON )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RD 239032	A	19840310				198414 B

Priority Applications (No Type Date): RD 84239032 A 19840220

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
RD 239032	A		1		

Abstract (Basic): RD 239032 A

The first charger is a line-charger with a source voltage of four to six kilovolts and a grid bias voltage of 550 volts, together with an earthed shield disposed about the corona **current** generating wire. Transverse variations in **charge** distribution are **reduced** by the **second** charger which uses point source chargers. These are formed by flexible wires arranged in a row extending transversely of the photoconductor surface and cantilevered from a support.

Each wire is disposed perpendicularly of the surface so that its end is closest to the surface. Electrostatic forces cause the wires to move about and to spray corona current onto the surface of the photoconductor. Regions having relatively low charge level receive a charge which tends to equalise the surface charge distribution. Alternatively the charge is sprayed onto the photoconductor by a rotating helically-wound wire. Several helical wires may be provided which are supplied with voltage pulses at different times, one from the other.

0/2

Title Terms: CORONA; CHARGE; STATION; ELECTROPHOTOGRAPHIC; COPY; TWO;  
CHARGE; UNIFORM; CHARGE; PHOTOCONDUCTOR; SURFACE; ONE; CHARGE; FLEXIBLE;  
WIRE; SHAKE; CHARGE

Derwent Class: P84; S06; X12

International Patent Class (Additional): G03G-000/01

File Segment: EPI; EngPI

23/5/51 (Item 37 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003935130

WPI Acc No: 1984-080674/198413

XRPX Acc No: N84-060216

**Thyristor pulsed voltage and current protection circuit - has inductor  
and first resistor connected to increase reliability by improving damping  
of voltage jumps**

Patent Assignee: KHARK ELEKTROTYAZHM (KHEL-R)

Inventor: BRITIK V I; CHERNYSHEV A A; DYACHENKO O V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1022265	A	19830607	SU 3386576	A	19811127	198413 B

Priority Applications (No Type Date): SU 3386576 A 19811127

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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Abstract (Basic): SU 1022265 A

Thyristor (1) has its anode connected to one end of the inductor (2) and to the anode of the diode (3). The cathode of the latter is connected by the 1st resistor (4) to the other end of the inductor and by the 2nd resistor to one side of the capacitor (6). The other side of the latter is connected to the thyristor cathode.

Any sharp rise in forward voltage at the thyristor is smoothed out because the latter is shunted by the capacitor through the low resistance of the 2nd resistor, which considerably **reduces** the **rate** of rise of the forward voltage.

When the thyristor is energised, neither the magnitude nor the rate of increase in the capacitor discharge current reach dangerous levels because the discharge takes place through the series-connected resistors and inductor.

Any increase in thyristor blocking voltage is also smoothed out by the capacitor and the two resistors. Bul.21/7.6.83

(2pp Dwg.No.1/1)

Title Terms: THYRISTOR; PULSE; VOLTAGE; CURRENT; PROTECT; CIRCUIT; INDUCTOR ; FIRST; RESISTOR; CONNECT; INCREASE; RELIABILITY; IMPROVE; DAMP; VOLTAGE ; JUMP

Derwent Class: U21; X12

International Patent Class (Additional): H02M-001/18

File Segment: EPI

23/5/52 (Item 38 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003711083

WPI Acc No: 1983-707265/198328

XRPX Acc No: N83-120096

**Async. motor torque determ. and control - using low-pass filter in current-voltage product averaging circuit to reduce ripple in signal**

Patent Assignee: TELEMECANIQUE ELECTRIQUE (MCQN )

Inventor: LECLERCQ J P; PILLAIS J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2517829	A	19830610				198328 B

Priority Applications (No Type Date): FR 8123251 A 19811208; FR 7930093 A 19791207

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2517829	A		8		

Abstract (Basic): FR 2517829 A

The device has a second-order low-pass filter (F1) for establishing the mean product of the **current** in one phase measured by a pick-up (T) and a simple voltage elaborated from a differential measurement of the voltages between the first and third and the second and third phases obtained from reverse bins amplifiers (S1, S2, S3). The low-pass filter, which is an active filter of **second** -order legendre type, **reduces** the **rate** of supply in the signal representing the torque. The device is applied to a control loop, having a controller (P) and a converter (C) which governs the couple in asynchronous or hyper synchronous operation, in the four quadrants of the speed-torque plane.

Title Terms: ASYNCHRONOUS; MOTOR; TORQUE; DETERMINE; CONTROL; LOW; PASS; FILTER; CURRENT; VOLTAGE; PRODUCT; AVERAGE; CIRCUIT; REDUCE; RIPPLE; SIGNAL

Derwent Class: S01; S02; T06; X11

International Patent Class (Additional): G01M-015/00; G01R-021/06;

G05D-017/02

File Segment: EPI



23/5/53 (Item 39 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003598366

WPI Acc No: 1983-E6564K/198314

XRPX Acc No: N83-060923

**Regulator for operating conditions of powerful glow discharge - with  
integrator to limit rate of test-piece heating to level set by regulator**

Patent Assignee: AIZENSSTEIN A G (AIZE-I)

Inventor: AIZENSSTEIN A G; BLINOV V N; IVANOV K S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 930761	B	19820523				198314 B

Priority Applications (No Type Date): SU 2429444 A 19761216

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 930761	B		4		

Abstract (Basic): SU 930761 B

Regulator for industrial plant where the workpieces are heated and processed by powerful glow discharges. The regulator is able to limit the rate of heating without having recourse to operations with a differential signal proportional to temp. which helps to increase resistance to interference. Interference resistance is increased by the introduction of an integrator connected between the differential amplifier and comparator.

Initially the high error between temp. (3) and setting (2) causes the differential amplifier (1) to saturate. The output signal from (1) applied to integrator (6) produces an linear output corresp. to a **present** max. rate of heating, set by **current** regulator (5). If the signal from the transducer, proportional to test piece temp. **falls** below the signal from (6), indicating the rate of heating is exceeding the **limit**, a signal is applied to logic gate (8), which is passed to the **second** differential amplifier (4), **reducing** the **rate** of rise or **fall** of the output from regulator (5). The characteristics of the process often lead to an initial rate of heating well below the **limit**, and logic gate (8) prevents the rise in the rate of heating above the **limit** that would otherwise take place prior to the **instant** of equality. Bul.19/23.5.82

Dwg.1/3

Title Terms: REGULATE; OPERATE; CONDITION; POWER; GLOW; DISCHARGE;

INTEGRATE; LIMIT; RATE; TEST; PIECE; HEAT; LEVEL; SET; REGULATE

Derwent Class: T06; X25

International Patent Class (Additional): G05D-023/19; H05B-007/16

File Segment: EPI

23/5/54 (Item 40 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003109856

WPI Acc No: 1981-L9904D/198147

**Voltage control circuit for electrostatic filter - stores specified  
parameters to control rate of rise of voltage after reduction at  
breakdown**

Patent Assignee: METALLGESELLSCHAFT AG (METG ); SIEMENS AG (SIEI )

Inventor: HERKLOTZ H; MEHLER G; NEULINGER F; SCHUMMER H

Number of Countries: 009 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3017685	A	19811112				198147 B
EP 39817	A	19811118	EP 81103149	A	19810427	198148
ZA 8103032	A	19820329				198225

US 4432061	A	19840214	US 81261246	A	19810506	198409
EP 39817	B	19840808				198432
DE 3165352	G	19840913				198438

Priority Applications (No Type Date): DE 3017685 A 19800508

Cited Patents: DE 1923952; DE 2234046; DE 2317256; DE 2357017; EP 30320; EP 30657; EP 31056; FR 2146007; US 3507096; US 3877896; US 3893828; US 3959715; US 4152124

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 3017685	A		14		
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EP 39817	A	G			
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Designated States (Regional): AT CH DE FR GB LI SE

EP 39817	B	G			
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Designated States (Regional): AT CH DE FR GB LI SE

Abstract (Basic): DE 3017685 A

The voltage control circuit automatically **reduces** the filter's voltage break over occurs and then gradually increases the voltage again at a given **rate** until **break** over occurs a **second** time. Specified parameters are stored when the filter is installed and are updated during the source of the filter's operation.

These stored parameters are voltage reduction factors, voltage gradients rated currents, admissible undervoltages and knocking frequencies. The parameters are stored in the memory of a microprocessor and actuated by commands originating from the state of the plant in which the filter is located

Title Terms: VOLTAGE; CONTROL; CIRCUIT; ELECTROSTATIC; FILTER; STORAGE; SPECIFIED; PARAMETER; CONTROL; RATE; RISE; VOLTAGE; AFTER; REDUCE; BREAKDOWN

Derwent Class: P41; X25

International Patent Class (Additional): B03C-003/68; G05B-013/02

File Segment: EPI; EngPI

23/5/55 (Item 41 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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002130519

WPI Acc No: 1979-F0451B/197923

**Storage battery asymmetric current charging circuit - uses thyristor pairs with each pair shunted by series-connected choke and capacitance, to reduce charging time**

Patent Assignee: LENGD RAIL TRANSP (LERA-R)

Inventor: MAZNEV A S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 616686	A	19780620				197923 B

Priority Applications (No Type Date): SU 2417200 A 19761102

Abstract (Basic): SU 616686 A

Asymmetric current charging circuit for storage batteries contains a.c. power generator connected via two half-wave rectifiers to the two storage batteries, two smoothing chokes and two shunting diodes in parallel with two semiconductor elements.

In order to widen the range of regulated amplitudes and the duration of discharging pulses as well as to **reduce** the **charging** time, the **second** semiconductor elements are made in the form of thyristors (9, 10, 11, 12) and each pair is shunted by series-connected choke and capacitor (13, 14, 15, 16).

This circuit reduces the charging time by 15

Title Terms: STORAGE; BATTERY; ASYMMETRIC; CURRENT; CHARGE; CIRCUIT; THYRISTOR; PAIR; SHUNT; SERIES; CONNECT; CHOKE; CAPACITANCE; REDUCE; CHARGE; TIME

Derwent Class: X12; X16; X22

International Patent Class (Additional): H02J-007/10  
File Segment: EPI

23/5/56 (Item 42 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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002126461

WPI Acc No: 1979-E6392B/197921

**Power supply two-stage DC voltage stabiliser - uses capacitor discharging transistor with collector-emitter junction inserted between thyristor gate and comparator transistor collector**

Patent Assignee: GORODOV V A (GORO-I)

Inventor: GORODOV V A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 615465	A	19780616				197921 B

Priority Applications (No Type Date): SU 2453145 A 19770215

Abstract (Basic): SU 615465 A

Reduced output voltage pulsation with zero load current and improved electrical characteristic of a DC voltage stabiliser disclosed in Parent Auth. Cert. No. 423112 is attained by using discharge transistor, charging capacitor, decoupling diode and limiting resistor.

Positive voltage on thyristor (1) anode rises until positive pulse appears on gate electrode. Initially transistor (4) is blocked until capacitor (3) charge reaches stabilisation (6, 5) level at which point the thyristor (1) is fired by transistor (4) passing the voltage to the second stage.

**Reduced load current** blocks transistor (2), thus increasing capacitor (3) **charging** time and **reducing second** stage input voltage. Use of discharge transistor improves control circuit input-output matching.

Title Terms: POWER; SUPPLY; TWO-STAGE; DC; VOLTAGE; STABILISED; CAPACITOR; DISCHARGE; TRANSISTOR; COLLECT; EMITTER; JUNCTION; INSERT; THYRISTOR; GATE; COMPARATOR; TRANSISTOR; COLLECT

Derwent Class: U24

International Patent Class (Additional): G05F-001/56

File Segment: EPI

23/5/57 (Item 43 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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001289221

WPI Acc No: 1975-H3132W/197528

**Integrating type analog-digital converter - has times reference current is turned on accumulated in output counter**

Patent Assignee: TEKELEC INC (TEKE-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 3893105	A	19750701				197528 B

Priority Applications (No Type Date): US 73425753 A 19731218; US 72249077 A 19720501

Abstract (Basic): US 3893105 A

The system operates during a first time interval such that the analog input voltage charges a capacitor in a linear manner. The first time interval is subdivided into successive time periods. If, at the end of any time period, the voltage across the capacitor exceeds a predetermined threshold, a reference **current** is introduced into the

capacitor to **reduce** the **charge** . During a **second** time interval the charging input voltage is removed from the capacitor, and the reference **current** is again introduced into the capacitor until the capacitor is discharged to a second predetermined level. The times the reference **current** is turned on are accumulated in an output counter which provides the digital output.

Title Terms: INTEGRATE; TYPE; ANALOGUE; DIGITAL; CONVERTER; TIME; REFERENCE  
; CURRENT; TURN; ACCUMULATE; OUTPUT; COUNTER

Derwent Class: U21; U22

International Patent Class (Additional): H03K-013/20

File Segment: EPI

29/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014697515 \*\*Image available\*\*  
WPI Acc No: 2002-518219/200255  
Related WPI Acc No: 2001-006522; 2002-280613  
XRPX Acc No: N02-410108

Coupon redemption within retail establishment or store, involves reading first coupon from customer, then determining validity of coupon, and modifying coupon to make it non redeemable

Patent Assignee: SCHULZE E E (SCHU-I); SCHULZE M M (SCHU-I)

Inventor: SCHULZE E E; SCHULZE M M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020055875	A1	20020509	US 99250207	A	19990216	200255 B
			US 2000626345	A	20000726	
			US 2001909103	A	20010712	

Priority Applications (No Type Date): US 2001909103 A 20010712; US 99250207 A 19990216; US 2000626345 A 20000726

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020055875	A1	26	G06F-017/60		CIP of application US 99250207 CIP of application US 2000626345

Abstract (Basic): US 20020055875 A1

NOVELTY - The method entails reading a first coupon for a first product from a customer, then **determining** the validity of the first coupon. If the coupon is valid, the coupon is modified to make it non redeemable. The first coupons are put in a first container. A **second** coupon from the same customer is then read, **after** which the validity of the **second coupon** is **determined**.

DETAILED DESCRIPTION - If the **second** coupon is valid, it is put into a **second** container. The **second** coupon is related to a **second** product. A third coupon is read, **after** which the third coupon is either rejected or otherwise and is placed into a third container. The first and **second** coupons are then reimbursed by a third party. The third party must be not related to makers of the first and **second** products. An INDEPENDENT CLAIM is also included for a coupon redemption system.

USE - For redeeming coupons for certain products within retail establishment or store.

ADVANTAGE - Accurately, efficiently and predictably manages any coupon offers by customer at retail establishment or store. Ensures rapid reimbursement to store for coupons deemed valid by store.

**Minimizes** inconvenience or delay to store customers given **immediate** credit for valid coupons. Coupon redemption does not adversely affect normal operations within store or establishment. **Reduces** complexity and time of coupon redemption.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a coupon redemption system.

pp; 26 DwgNo 1/13

Title Terms: COUPON; RETAIL; ESTABLISH; STORAGE; READ; FIRST; COUPON; CUSTOMER; DETERMINE; VALID; COUPON; MODIFIED; COUPON; NON

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60

File Segment: EPI

29/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013522316 \*\*Image available\*\*  
WPI Acc No: 2001-006522/200101  
Related WPI Acc No: 2002-280613; 2002-518219

XRPX Acc No: N01-004673

**Coupon redeeming method in customer purchase transaction system, involves determining if coupon read by optical reader, is to be redeemed, based on which coupon is modified**

Patent Assignee: IN-STORE MEDIA SYSTEMS INC (INST-N)

Inventor: SCHULZE E E

Number of Countries: 089 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200049515	A1	20000824	WO 2000US4011	A	20000216	200101 B
AU 200033667	A	20000904	AU 200033667	A	20000216	200103

Priority Applications (No Type Date): US 99250207 A 19990216

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200049515 A1 E 27 G06F-017/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200033667 A G06F-017/00 Based on patent WO 200049515

Abstract (Basic): WO 200049515 A1

NOVELTY - First and **second** products being purchased are identified by an input sensor (38). When it is **determined** that first **coupon** read by optical reader (42), is to be redeemed, first coupon is modified. The **second** coupon is then read using optical reader and **determined** if the record **coupon** is to be redeemed. **Based on the determination, second coupon** is stored in an unmodified state for subsequent verification.

DETAILED DESCRIPTION - The customer's total purchase price is **reduced** in the amount stated on the coupon, **after** a coupon has been deemed valid. A decision is then made to determine if further manual processing is to be done. If additional processing is desired, the coupon is delivered unmodified to a storage unit and details of the customer transaction are recorded, else the coupon is modified and the store is credited for valid redemption. An INDEPENDENT CLAIM is also included for coupon redeeming system.

USE - For accurately accounting for coupons such as audited coupons, hard-to-handle coupons usage during customer transactions at retail establishment or store.

ADVANTAGE - Provides **immediate** reimbursement to the store for coupons properly redeemed by the store and **reduces** coupon misredemptions. Enables usage of coupon scanner which is capable of reading virtually any coupon format. Achieves very rapid reimbursement to the store for most properly redeemed coupons.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of coupon scanner.

Input sensor (38)

Optical reader (42)

pp; 27 DwgNo 2/4

Title Terms: COUPON; METHOD; CUSTOMER; PURCHASE; TRANSACTION; SYSTEM;

DETERMINE; COUPON; READ; OPTICAL; READ; BASED; COUPON; MODIFIED

Derwent Class: T01; T04; T05

International Patent Class (Main): G06F-017/00

International Patent Class (Additional): G06F-017/60

File Segment: EPI

29/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011923469 \*\*Image available\*\*

WPI Acc No: 1998-340379/199830

XRPX Acc No: N98-266583

Secondary battery charging circuit e.g. for PC, personal stereo, portable telephone - has charging current controller which reduces charging current based on raise in temperature at periphery of secondary battery

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU )

Inventor: LEE C; LEE C H

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10126976	A	19980515	JP 97278303	A	19971013	199830 B
TW 333722	A	19980611	TW 97105959	A	19970505	199844
US 5900717	A	19990504	US 97950101	A	19971014	199925
KR 98026944	A	19980715	KR 9645546	A	19961012	199928
KR 263551	B1	20000801	KR 9645546	A	19961012	200132

Priority Applications (No Type Date): KR 9645546 A 19961012

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10126976	A	8	H02J-007/10	
TW 333722	A		H02J-007/04	
US 5900717	A		H02J-007/02	
KR 98026944	A		H02J-007/04	
KR 263551	B1		H02J-007/04	

Abstract (Basic): JP 10126976 A

The circuit has a battery temperature detector which detects the internal temperature of a secondary battery. A high speed charging controller controls the charging speed of a charging source which operates based on first and second control signals output by a charging motion controller depending on the temperature detected by the battery temperature detector. A periphery temperature detector (38) detects the periphery temperature of the secondary battery. The charging source is controlled based on the output of the periphery temperature detector. A charging current controller (40) reduces the charging current according to the raise of temperature at the periphery of the battery.

ADVANTAGE - Prevents heavy current charging under high temperature. Increases battery durability.

Dwg.4/5

Title Terms: SECONDARY; BATTERY; CHARGE; CIRCUIT; PERSON; STEREO; PORTABLE; TELEPHONE; CHARGE; CURRENT ; CONTROL; REDUCE ; CHARGE; CURRENT ; BASED ; RAISE; TEMPERATURE; PERIPHERAL; SECONDARY; BATTERY

Derwent Class: X16

International Patent Class (Main): H02J-007/02; H02J-007/04; H02J-007/10

International Patent Class (Additional): H01M-010/44

File Segment: EPI

29/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011778769 \*\*Image available\*\*

WPI Acc No: 1998-195679/199818

XRPX Acc No: N98-154939

Pattern dissimilarity calculator for determining differences between two sequence feature patterns - has device for calculating distance between frame i of first sequence feature pattern and each of frames of second sequence feature pattern, and encodes cumulative distance before data transfer

Patent Assignee: NEC CORP (NIDE )

Inventor: HIRAYAMA H

Number of Countries: 020 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 834858	A2	19980408	EP 97116664	A	19970924	199818 B
JP 10111696	A	19980428	JP 96263328	A	19961003	199827
JP 3006507	B2	20000207	JP 96263328	A	19961003	200012

US 20010014858	A1	20010816	US 97936142	A	19970922	200149
			US 2001792144	A	20010223	
EP 834858	B1	20020522	EP 97116664	A	19970924	200241
DE 69712698	E	20020627	DE 612698	A	19970924	200250
			EP 97116664	A	19970924	

Priority Applications (No Type Date): JP 96263328 A 19961003

Cited Patents: No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 834858	A2	E	22	G10L-003/00	
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Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE

JP 10111696	A		6	G10L-003/00	
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JP 3006507	B2		6	G10L-015/12	Previous Publ. patent JP 10111696
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US 20010014858	A1			G10L-015/12	Cont of application US 97936142
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EP 834858	B1	E		G10L-015/12	
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Designated States (Regional): DE FR NL

DE 69712698	E			G10L-015/12	Based on patent EP 834858
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Abstract (Basic): EP 834858 A

The method of calculating a pattern dissimilarity between a first and **second** sequence feature pattern **based on** the DP matching approach, comprises a cumulative distance calculation for calculating the distance between frame i of the first sequence feature pattern and each of frames of the **second** sequence feature pattern. A **current** cumulative distance is obtained by adding to a cumulative distance obtained in terms of frame i-1, which is decoded. The cumulative distance calculated is then encoded. In the decoding step the encoded cumulative distance is decoded.

The first sequence feature pattern is a sequence feature pattern of voice input data, while the **second** sequence feature pattern is a predetermined reference sequence feature pattern. The cumulative distance in terms of frame i obtained in the cumulative distance calculation step is encoded **based on** correlation with a cumulative distance in terms of frame i-1.

USE - E.g. for speech recognition. Also suited to image processing.

ADVANTAGE - Allows **reduction** of memory capacity as only cumulative distances g in pruned search region to need be stored.

**Reduces recognition rate by minimising** optimum path.

Dwg.2/8

Title Terms: PATTERN; CALCULATE; DETERMINE; DIFFER; TWO; SEQUENCE; FEATURE; PATTERN; DEVICE; CALCULATE; DISTANCE; FRAME; FIRST; SEQUENCE; FEATURE; PATTERN; FRAME; **SECOND** ; SEQUENCE; FEATURE; PATTERN; ENCODE; CUMULATIVE; DISTANCE; DATA; TRANSFER

Derwent Class: P86; W04

International Patent Class (Main): G10L-003/00; G10L-015/12

International Patent Class (Additional): G10L-003/02; G10L-005/06;

G10L-007/08; G10L-009/06; G10L-009/18; G10L-015/00; G10L-015/08;

G10L-019/00; H03M-007/36

File Segment: EPI; EngPI

29/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011113552 \*\*Image available\*\*

WPI Acc No: 1997-091477/199709

**Peripheral equipment e.g. printer device interface with host device such as PC - changes output timing of status signal from status signal transmission part based on output signal from detection part**

Patent Assignee: CANON KK (CANO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8328709	A	19961213	JP 95130923	A	19950530	199709 B



Priority Applications (No Type Date): JP 95130923 A 19950530

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8328709	A		6	G06F-003/00	

Abstract (Basic): JP 8328709 A

The equipment communicates with a host device such as a PC through a parallel interface circuit. A status signal (PtrClk) generated by a status signal transmission part (101) is output to the host device through a driver part (102) and through a **second** set of driver parts (103a-103d).

A detector part detects whether the logic level of the output signal from the **second** set of driven parts is in accordance with the logic level of the status signal generated by the status signal transmission part. An output check signal is boosted to the status transmission part to make the status signal transmission part output the status signal. The output timing of the status signal from the status signal transmission part is changed **based on** the output signal from the detection part.

ADVANTAGE - Performs exact data communication to host side without **reducing** transmission rate. Enables **detecting** abnormality and performing error processing **immediately**.

Dwg.1/7

Title Terms: PERIPHERAL; EQUIPMENT; PRINT; DEVICE; INTERFACE; HOST; DEVICE; CHANGE; OUTPUT; TIME; STATUS; SIGNAL; STATUS; SIGNAL; TRANSMISSION; PART; BASED; OUTPUT; SIGNAL; DETECT; PART

Derwent Class: T01

International Patent Class (Main): G06F-003/00

File Segment: EPI

29/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007681989 \*\*Image available\*\*

WPI Acc No: 1988-315921/198845

XRFX Acc No: N88-239594

**Impact printer operating controller - has temp. detector providing over-heating signal for reducing printing rate to protect print hammers from damage**

Patent Assignee: HITACHI KOKI KK (HITO )

Inventor: IHATA N; ITOH N; MIYASAKA M; WATAHIKI S

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3812622	A	19881103	DE 3812622	A	19880415	198845 B
US 4877344	A	19891031	US 88182679	A	19880418	199002
DE 3812622	C2	19930204	DE 3812622	A	19880415	199305

Priority Applications (No Type Date): JP 8795794 A 19870417

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3812622	A		11		
US 4877344	A		11		
DE 3812622	C2		10	B41J-009/38	

Abstract (Basic): DE 3812622 A

The operating control has a temp. sensor (7) which allows direct or indirect temp. measurement for the electromagnetic print hammer block (4). The temp. sensor (7) exhibits a hysteresis characteristic, providing an output signal above a given temp. value, used to switch the printing rate to a **lower** value. The initial, higher, printing rate is restored when the output signal from the temp. sensor disappears. Alternatively, the printing rate is switched to an even **lower** value if the temp. sensor signal persists for a given timed interval.

Pref. the temp. sensor (7) is incorporated in the **current** supply (6) used to feed the driver circuit (5) for the electromagnets.

ADVANTAGE - Prevents overheating damage to print hammers by **limiting** high-speed printing duration.

5/8

Title Terms: IMPACT; PRINT; OPERATE; CONTROL; TEMPERATURE; DETECT; HEAT; SIGNAL; **REDUCE** ; PRINT; RATE; PROTECT; PRINT; HAMMER; DAMAGE

Derwent Class: P75; T04; V02

International Patent Class (Main): B41J-009/38

International Patent Class (Additional): B41J-001/20; B41J-002/22; B41J-002/30; B41J-002/505; B41J-003/10; B41J-007/76; B41J-029/377

File Segment: EPI; EngPI

29/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007646081

WPI Acc No: 1988-280013/198840

XRPX Acc No: N88-212542

**Word identification method for continuous speech - using flexible speech model for each new speech signal formed from 2 stored lists**

Patent Assignee: PHILIPS PATENTVERWALTUNG GMBH (PHIG ); PHILIPS

GLOEILAMPENFAB NV (PHIG )

Inventor: NEY H

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 285221	A	19881005	EP 88200597	A	19880330	198840 B
DE 3711348	A	19881020	DE 3711348	A	19870403	198843
US 5005203	A	19910402	US 88175085	A	19880330	199116
EP 285221	B1	19931208	EP 88200597	A	19880330	199349
DE 3886079	G	19940120	DE 3886079	A	19880330	199404
			EP 88200597	A	19880330	

Priority Applications (No Type Date): DE 3711348 A 19870403

Cited Patents: 2.Jnl.Ref; A3...9028; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 285221	A	G	12		
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Designated States (Regional): DE FR GB

EP 285221	B1	G	14	G10L-005/06	
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Designated States (Regional): DE FR GB

DE 3886079	G			G10L-005/06	Based on patent EP 285221
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Abstract (Basic): EP 285221 A

The word identification method involves using comparison of the sampled speech values with comparison values representing the individual words of a spoken vocabulary. Speech models and selected word sequences are used for **reduction** of the recognition error rate. Two lists are employed for defining the relationship between the vocabulary words and given syntact categories and the relationship between each of these categories and two different categories.

Both lists are employed for each new speech signal, with identification of the best category for each speech section. The categories are evaluated at the end of the speech to obtain speech model matching.

ADVANTAGE - Improved identification of real speech with non-formalised structure

Title Terms: WORD; IDENTIFY; METHOD; CONTINUOUS; SPEECH; FLEXIBLE; SPEECH; MODEL; NEW; SPEECH; SIGNAL; FORMING; STORAGE; LIST

Derwent Class: P86; W04

International Patent Class (Main): G10L-005/06

International Patent Class (Additional): G10L-007/08

File Segment: EPI; EngPI

29/5/8 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007619232

WPI Acc No: 1988-253164/198836

XRPX Acc No: N89-052690

**Teletext dial error counter-measure system - limits communication  
during midnight discount hour to one time after detection of dial  
error NoAbstract Dwg 0/5**

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 63182953	A	19880728	JP 8714472	A	19870124	198836 B
US 4807276	A	19890221	US 88147325	A	19880122	198910

Priority Applications (No Type Date): JP 8714472 A 19870124

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 63182953	A		15		

Abstract (Basic): JP 63182953 A

When a wrong addressee telephone number is inadvertently called, a wrong telephoning is detected in the course of the initial communication operation to put restrictions on the re-transmission operation in accordance with the dialing modes and time which runs at the time of the communication operation. According to the protocol on teletex communication (CCITT), negotiation on modern functions must be settled **immediately after** an addressee reponse to a call in order to determine a communication speed (bits per **second** ) and a modern training signal.

During the negotiation, the addressor should await a response from the addressee for 30 to 40 seconds at the maximum and the addressee should repeat returning of responses six times at the maximum at intervals of 3 seconds. Accordingly, in the event that the negotiation is not settled normally within the above period of time following the addressee response a wrong telephoning is also decided and restrictions are placed on the re-transmission operation.

USE - Word processor, teletex. (First major country equivalent to J63182953

Title Terms: TELETEXT; DIAL; ERROR; COUNTER; MEASURE; SYSTEM; **LIMIT** ;  
COMMUNICATE; MIDNIGHT; DISCOUNT; HOUR; ONE; TIME; **AFTER** ; DETECT; DIAL;  
ERROR; NOABSTRACT

Derwent Class: W01; W02

International Patent Class (Additional): H04L-013/00; H04L-017/00;  
H04M-011/00; H04N-001/32

File Segment: EPI

File 348:EUROPEAN PATENTS 1978-2002/Aug W04

(c) 2002 European Patent Office

File 349:PCT FULLTEXT 1983-2002/UB=20020829,UT=20020815

(c) 2002 WIPO/Univentio

Set	Items	Description
S1	1031725	IDENTIF? OR DETECT? OR FOUND? OR FIND? OR DISCOVER? OR RECOGNI????? OR DETERMIN? OR DISCERN? OR UNCOVER?
S2	48388	REBATE? OR DISCOUNT OR COUPON? OR VOUCHER? OR (PRICE OR EXPENSE? OR FEE OR FEES OR CHARG? OR RATE OR RATES OR OUTLAY?) (-2N) (ABATE? OR CONCESSION? OR REDUC? OR DEDUCT? OR SET(1W)OFF - OR BREAK?)
S3	106762	MANUFACTURER? OR PRODUCER? OR MAKER? OR FABRICATOR? OR CREATOR? OR BUILDER? OR CONSTRUCTOR? OR OEM
S4	1380893	FIRST? OR INITIAL OR INITIALLY OR PRECED? OR LEAD OR LEADING
S5	842850	SECOND OR 2ND OR POS OR POINT(3W) (SALE OR SERVICE OR PURCHASE) OR EPOS OR POP OR POS
S6	877239	CONTINGEN? OR QUALIFY? OR QUALIFIED OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTER?
S7	1059805	IMMEDIATE? OR INSTANT? OR PROMPT? OR CURRENT? OR NOW OR PRESENT OR PRESENTLY
S8	1375029	LESS? OR REDUC? OR DECREAS? OR LOWER? OR DIMINISH? OR CUT - OR CUTTING OR SCALE?()BACK OR MINIMI? OR SMALLER OR FEWER OR - DECLIN? OR SHORTEN? OR CONTRACTED OR LIMIT? OR DOWNGRAD? OR DEFLAT? OR ABAT? OR FALL?
S9	962255	FUTURE OR DEFERRED OR DEFERRING OR DELAY? OR POSTPON? OR LATER OR FOLLOWING OR SUBSEQUENT? OR NEXT
S10	13	(S1(10N) (S2(5N)S3)) AND (S5(5N)S6)
S11	918	(S2(5N)S5) (S) (S6 AND S7 AND S8)
S12	737	(S2(5N)S5) (10N) (S6 AND S7 AND S8)
S13	416	(S2(3N)S5) (5N) (S6 AND S7 AND S8)
S14	0	S13(5N) ("OR" (2N) ((S4(3N)S2) (5N)S9))
S15	0	S13(10N) ("OR" (2N) ((S4(5N)S2) (10N)S9))
S16	1	S13(10N) ("OR" (2N) (S2(5N)S9))
S17	5	((S2(3N)S5) (5N)S6) (10N) (S2(3N)S4)
S18	4	(S2(5N)S3) AND ((S5(3W)S6) (3W)S4)
S19	27	S13 AND IC=G06F-017/60

10/TI/1 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

ELECTRONIC PROCUREMENT  
ACQUISITION PAR VOIE ELECTRONIQUE

10/TI/2 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

PROMPT COUPON REIMBURSEMENT AFTER COUPON REDEMPTION  
REMBOURSEMENT RAPIDE DE COUPONS APRES RACHAT DES COUPONS

10/TI/3 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR WEB-BASED ELECTRONIC BUYING SYSTEM  
SYSTEME ET PROCEDE D'ACHAT ELECTRONIQUE FONCTIONNANT AVEC LE WEB

10/TI/4 (Item 4 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

DETECTION OF RNA  
DETECTION D'ARN

10/TI/5 (Item 5 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

LOYALTY AND REWARDS PROGRAM OVER DISTRIBUTED NETWORK  
PROGRAMME DE FIDELISATION ET DE CADEAUX VIA UN RESEAU DISTRIBUE

10/TI/6 (Item 6 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SCHEDULING AND PLANNING BEFORE AND PROACTIVE MANAGEMENT DURING MAINTENANCE  
AND SERVICE IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT  
PROGRAMMATION ET PLANIFICATION ANTICIPEE, ET GESTION PROACTIVE AU COURS DE  
LA MAINTENANCE ET DE L'ENTRETIEN D'UN ENVIRONNEMENT DU TYPE CHAINE  
D'APPROVISIONNEMENT RESEAUTE

10/TI/7 (Item 7 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SETTLEMENT SYSTEMS AND METHODS WHEREIN A BUYER TAKES POSSESSION AT A  
RETAILER OF A PRODUCT PURCHASED USING A COMMUNICATION NETWORK  
SYSTEMES ET PROCEDES DE REGLEMENT CONSISTANT POUR UN ACHETEUR A PRENDRE  
POSSESSION AU NIVEAU D'UN DETAILLANT D'UN PRODUIT ACHETE AU MOYEN D'UN  
RESEAU DE COMMUNICATION

10/TI/8 (Item 8 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

PURCHASING SYSTEMS AND METHODS WHEREIN A BUYER TAKES POSSESSION AT A  
RETAILER OF A PRODUCT PURCHASED USING A COMMUNICATION NETWORK  
SYSTEMES ET PROCEDES D'ACHAT OU UN ACHETEUR PREND POSSESSION CHEZ UN  
DETAILLANT D'UN PRODUIT ACHETE AU MOYEN D'UN RESEAU DE COMMUNICATION

10/TI/9 (Item 9 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR APPLYING AND TRACKING A CONDITIONAL VALUE COUPON FOR

A RETAIL ESTABLISHMENT  
SYSTEME ET PROCEDE D'APPLICATION ET DE RECHERCHE D'UN BON DE REDUCTION  
CONDITIONNELLE DESTINES A UN MAGASIN DE DETAIL

10/TI/10 (Item 10 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR ELECTRONICALLY CLEARING AND PROCESSING BAR-CODED  
DISCOUNT COUPONS  
PROCEDE ET APPAREIL DE VALIDATION ET DE TRAITEMENT DE BONS DE REDUCTION A  
CODES A BARRES

10/TI/11 (Item 11 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

COUPON/VOUCHER DISPENSING MACHINE AND METHOD  
PROCEDE ET MACHINE DE DISTRIBUTION DE COUPONS/BONS

10/TI/12 (Item 12 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

IN-STORE UNIVERSAL CONTROL SYSTEM  
SYSTEME DE CONTROLE UNIVERSEL DESTINE AUX MAGASINS DE DETAIL

10/TI/13 (Item 13 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

A COMPUTERIZED MERCHANDISING SYSTEM  
SYSTEME DE DISTRIBUTION INFORMATISE

10/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00874908 \*\*Image available\*\*

PROMPT COUPON REIMBURSEMENT AFTER COUPON REDEMPTION  
REMBOURSEMENT RAPIDE DE COUPONS APRES RACHAT DES COUPONS

Patent Applicant/Assignee:

IN-STORE MEDIA SYSTEMS INC, 15423 E. Batavia Drive, Aurora, CO 80011, US,  
US (Residence), US (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

SCHULZE Everett E Jr, 1741 Fulton Street, Aurora, CO 80010, US, US  
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Legal Representative:

ZINGER David F (et al) (agent), Sheridan Ross P.C., Suite 1200, 1560  
Broadway, Denver, CO 80202-5141, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200209027 A1 20020131 (WO 0209027)

Application: WO 2001US23479 20010725 (PCT/WO US0123479)

Priority Application: US 2000626345 20000726

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 15159

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... manufacturer's agent, which in some instances may be associated with a clearinghouse, attempts to **determine** whether the invoice amount is supported by the redeemed **coupons**. In addition, the **manufacturer's** agent typically examines the redeemed coupons for evidence of fraud, which may be indicated...

Claim

... the next coupon read after said first coupon; making a determination related to whether said **second** coupon is to be redeemed **after** said reading secondly step;  
storing, **after** said making step, said **second** coupon in a second container, different from said first container;  
reading a third coupon at...

...wherein at least said first and second coupons are from a first customer and said **second** coupon is read next **after** said first coupon;  
processing apparatus in operative communication with said device, said processing apparatus determining...

10/3,K/3 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00870047 \*\*Image available\*\*

SYSTEM AND METHOD FOR WEB-BASED ELECTRONIC BUYING SYSTEM  
SYSTEME ET PROCEDE D'ACHAT ELECTRONIQUE FONCTIONNANT AVEC LE WEB

Patent Applicant/Assignee:

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, US (Residence), US (Nationality)

Inventor(s):

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TALHOUK Duane K, 401 Meadowlark Lane, Gibsonia, PA 15044, US,

Legal Representative:

TABACHNICK Gene A (et al) (agent), Reed Smith LLP, P.O. Box 488,  
Pittsburgh, PA 15230-0488, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200203165 A2-A3 20020110 (WO 0203165)

Application: WO 2001US20653 20010628 (PCT/WO US0120653)

Priority Application: US 2000608924 20000703; US 2000677349 20001002

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 21281

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... builder is used to purchase goods from a supplier with which a  
customer has a **discount**, the requisition **builder** software can  
automatically **recognize** this pricing relationship from the customer  
profile information and make the supplier aware of the...

Claim

... cart after checkout; and  
generating a separate purchase order for the items associated with said  
**second** virtual shopping cart **after** checkout, wherein said **second**  
purchase order is from the supplier of the items associated with said  
second virtual shopping...

10/3,K/5 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00844266 \*\*Image available\*\*

LOYALTY AND REWARDS PROGRAM OVER DISTRIBUTED NETWORK

PROGRAMME DE FIDELISATION ET DE CADEAUX VIA UN RESEAU DISTRIBUE

Patent Applicant/Assignee:

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95014, US, US (Residence), US (Nationality)

Inventor(s):

ROBERTS Gregory B, 280 Eunice, Mountain View, CA 94040, US,

WILLS Scott, 1055 Eastwood Drive, Los Altos, CA 94024, US,

Legal Representative:

GATTO James G (et al) (agent), Hunton & Williams, 1900 K Street, N.W.,  
Washington, DC 20006, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200177856 A1 20011018 (WO 0177856)

Application: WO 2001US10890 20010404 (PCT/WO US0110890)

Priority Application: US 2000544144 20000406

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG



(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 11641

Fulltext Availability:  
Detailed Description  
Claims

#### Detailed Description

... repeat customers at the regular price. Coupons are effective tools used in launching new products.

**Manufacturers** also find **coupons** can shore up flagging sales, help reduce excess inventory or win back consumers' brand loyalty...or service, the system

9

receives redemption confirmation and updates the user's reward account **based on a second** reward associated with the purchase of the good or service. Although the loyalty reward system...

#### Claim

... of-sale system and for performing a realtime update of the user loyalty program account **based on a second** loyalty reward associated with a user action performed at the point-of-sale.

9 The...

10/3,K/9 (Item 9 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00535085 \*\*Image available\*\*

**SYSTEM AND METHOD FOR APPLYING AND TRACKING A CONDITIONAL VALUE COUPON FOR A RETAIL ESTABLISHMENT**  
**SYSTEME ET PROCEDE D'APPLICATION ET DE RECHERCHE D'UN BON DE REDUCTION CONDITIONNELLE DESTINES A UN MAGASIN DE DETAIL**

Patent Applicant/Assignee:

WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,

Inventor(s):

WALKER Jay S,

VAN LUCHENE Andrew S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9966437 A1 19991223

Application: WO 99US10624 19990513 (PCT/WO US9910624)

Priority Application: US 9898240 19980616

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU

TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG

CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9339

Fulltext Availability:  
Detailed Description  
Claims

#### English Abstract

...method for encouraging customer purchasing habits that are beneficial to the retail establishment by offering **conditional** value coupons includes a **point of sale** (POS) controller (104) that determines the discount value of the conditional coupon based on a...

#### Detailed Description

... a predetermined condition of the purchase and selecting one of the first discount and the **second discount based on** whether the predetermined condition is satisfied, thereby generating a selected discount having a selected discount...been met by the customer's purchase, purchase total or date of purchase as appropriate.

**After** completion of the comparison, the **POS** controller 104 determines which **conditional** value to apply to the purchase.

2D bar code symbology may also be used for...customer may be retrieved from the inventory database 144 (FIG 2). In step 254, the **POS** controller 104 receives the **conditional** coupon code that may be encoded on the coupon. As described above, the conditional coupon, having a LTC code, is scanned by input device I 10. The **conditional** coupon code is transmitted to **POS** terminal 102 and provided to the **POS** controller 104 accordingly. Alternatively, the **conditional** coupon code may be manually entered using an alphanumeric keypad. At step 256, the subtotal  
...

#### Claim

... determining a predetermined condition of the purchase;  
selecting one of the first discount and the **second discount based on** whether the predetermined condition is satisfied, thereby generating a selected discount  
having a selected discount...

...representing an item of the purchase; and  
selecting one of the first discount and the **second discount based on** whether the item identifier is a predetermined item identifier.

16 The method of claim 1 item of the purchase; and  
selecting one of the first discount and the **second discount based on** whether the **manufacturer identifier** is a predetermined manufacturer identifier .  
28

17 The method of claim 1, further comprising:  
determining a subtotal of the purchase; and  
selecting one of the first discount and the **second discount based on** whether the subtotal is greater than a predetermined threshold.

18 The method of claim 1...

...of an item of the purchase; and  
selecting one of the first discount and the **second discount based on** whether the purchase price is greater than a predetermined threshold.

19 The method of claim...

...determining a date of the purchase; and  
selecting one of the first discount and the **second discount based on** whether the date is within a predetermined time period.  
i 20. The method of claim...

...comprising:  
determining a day of the purchase; and  
selecting one of the first discount and **second discount based on** whether the day is a predetermined day.  
i 21. The method of claim 1, further...

...a time of day of the purchase; and  
selecting one of the first discount and **second discount based on** whether the  
29  
time of day is within a predetermined time period.  
i 22. The...

...number of discounts redeemed by a purchaser; and  
 selecting one of the first discount and **second** discount **based on**  
 whether the  
 number of discounts redeemed is greater than a predetermined number of  
 redeemed discounts...

...of similar discounts redeemed by other purchasers; and selecting one of  
 the first discount and **second** discount **based on** whether the  
 number of similar discounts redeemed by other purchasers is less than a  
 predetermined...

...signal that represents a frequent shopper account; and  
 selecting one of the first discount and **second** discount **based on**  
 whether the  
 30  
 frequent shopper account is received.  
 i 27. The method of claim 1...

...selecting the first discount based on whether the predetermined  
 condition is  
 satisfied; and  
 selecting the **second** discount **based on** whether the **second**  
 predetermined  
 condition is satisfied.  
 i 28. The method of claim 27, further comprising:  
 selecting the...determining a predetermined condition from the record;  
 selecting one of the first discount and the **second** discount **based on**  
 whether the predetennined condition is satisfied, thereby generating a  
 selected discount  
 1 1 having a...

...a second  
 predetermined condition from the record;  
 selecting one of the first discount and the **second** discount **based on**  
 which of 1 1 the first predeten-nined condition and second predetennined  
 condition is satisfied...determine a predetermined condition of the  
 purchase;  
 select one of the first discount and the **second** discount **based on**  
 whether the predetermined condition is satisfied, thereby generating a  
 selected discount  
 34  
 having a selected...

...determining a predetermined condition of the purchase;  
 selecting one of the first discount and the **second** discount **based on**  
 whether the predetermined condition is satisfied, thereby generating a  
 selected discount  
 having a selected discount...

...nine a predetermined condition from the record;  
 select one of the first discount and the **second** discount **based on**  
 whether the predetermined condition is satisfied, thereby generating a  
 selected discount  
 having a selected discount...

...determining a predetennined condition from the record;  
 selecting one of the first discount and the **second** discount **based on**  
 whether the 1 1 predetennined condition is satisfied, thereby generating  
 a selected discount  
 having a...a  
 second predetermined condition from the record;  
 select one of the first discount and the **second** discount **based on**  
 which of the first predetermined condition and second predetermined  
 condition is satisfied, thereby generating a...

...predetermined condition from the record;  
 I I selecting one of the first discount and the **second** discount **based**  
**on** which of

the first predetermined condition and second predetermined condition is satisfied, thereby generating a...

10/3,K/10 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00312046

**METHOD AND APPARATUS FOR ELECTRONICALLY CLEARING AND PROCESSING BAR-CODED DISCOUNT COUPONS**

**PROCEDE ET APPAREIL DE VALIDATION ET DE TRAITEMENT DE BONS DE REDUCTION A CODES A BARRES**

Patent Applicant/Assignee:

CATALINA ELECTRONIC CLEARING SERVICES INC,

Inventor(s):

GRANGER Daniel D,

MAXWELL Robert L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9530199 A1 19951109

Application: WO 95US5243 19950426 (PCT/WO US9505243)

Priority Application: US 94234998 19940429

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU

JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE

SI SK TJ TT UA UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU

MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9225

Fulltext Availability:

Detailed Description

Claims

**Detailed Description**

... data pertaining to conditions of use of the coupon and other data inserted by the **manufacturer** to identify the **coupon** ; and the method further includes **detecting** a triggering code in the additional data, and generating a printable coupon based on the...electronically at the central site. Auditing can be random, or targeted to particular stores or POS terminals, **based on** statistical analysis of the coupon data for departures from normally expected data. By prior agreement...be specific as to designations of size and other factors. Family codes are assigned by **manufacturers** to designate their products. The **coupon** is also bar-coded with a manufacturer's **identification** code, so the Family Codes may differ from one manufacturer to another. The Family Code... Universal Code Council (UCC) and include the following fields.

Number system character: 5 (for most **coupons** ),

**Manufacturer** 's ID number: unique **identification** for the **manufacturer**

that issued the **coupon** ,

Family Code: 3-digit code identifying an item or type of item to which the...

**Claim**

... data pertaining to conditions of use of the coupon and other data inserted by the **manufacturer** to identify the **coupon** ; and the method further includes **detecting** a triggering code in the additional data, and generating a printable 30 coupon based on...data pertaining to conditions of use of the coupon and other data inserted by the **manufacturer** to identify the **coupon** ; and the apparatus further includes means for **detecting** a triggering code in the additional data; and means for generating a printable coupon based...

10/3,K/11 (Item 11 from file: 349)

00257938      \*\*Image available\*\*

**COUPON/VOUCHER DISPENSING MACHINE AND METHOD**  
**PROCEDE ET MACHINE DE DISTRIBUTION DE COUPONS/BONS**

Patent Applicant/Assignee:

SKYDECK CORPORATION,

Inventor(s):

MOLBAK Jens H,

SUN Vae E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9406101 A1 19940317

Application: WO 93US8228 19930901 (PCT/WO US9308228)

Priority Application: US 92940931 19920904

Designated States: AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ

LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA VN AT BE CH DE DK ES FR

GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 6156

Fulltext Availability:

Claims

Claim

... user;

sorting said coins into groups, with each group being  
one of said denominations;

dispensing **manufacturers ' coupons ;**

**determining** a total amount of said coins; and

dispensing a cash voucher for a value related...

...first type of coins based on

electro-magnetic properties; and

returning to said user a **second** type of coins **based**

**on** physical dimensions,

7 The method of claim 5 wherein said step of

removing said waste...

...first type of coins based on

electro-magnetic properties; and

returning to said user a **second** type of coins **based**

**on** physical dimensions,

8 The method of claim 5 wherein said coins include

currency, tokens, slugs...group being one of

said denominations;

means, coupled to said means for sorting, for

dispensing **manufacturers ' coupons ;**

means, coupled to said means for dispensing, for

**determining** a total amount of said coins; and

means, coupled to said means for determining, for...properties; and

means, coupled to said means for returning, for

returning to said user a **second** type of coins **based on** physical  
dimensions.

24 The apparatus of claim 22 wherein said waste

removal means comprises:

means...

...properties; and

means, coupled to said means for returning, for

returning to said user a **second** type of coins **based on** physical  
dimensions.

25 The apparatus of claim 22 wherein said coins

include currency, tokens, slugs...

10/3,K/13 (Item 13 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00192867 \*\*Image available\*\*

**A COMPUTERIZED MERCHANDISING SYSTEM  
SYSTEME DE DISTRIBUTION INFORMATISE**

Patent Applicant/Assignee:

ES-TECH INTERNATIONAL INC,

Inventor(s):

SCHULZE Everett E Jr,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9110216 A1 19910711

Application: WO 91US46 19910102 (PCT/WO US9100046)

Priority Application: US 90394 19900105

Designated States: AT AU BE CA CH DE DK ES FR GB GR IT JP KR LU NL NO SE

Publication Language: English

Fulltext Word Count: 12731

Fulltext Availability:

Detailed Description

Detailed Description

... actually purchase. It would be Lastly, redeemed coupons are generally sent to coupon clearinghouses, which **determine** how much the **coupon** distributors or **manufacturers** owe to particular retailers for redeeming their coupons. At best, if at all, manufacturers obtain...each separate coupon stored in memory to be printed once before any is printed a **second** time (step 202).

**After** depositing an aluminum container, which is accepted by the recycling apparatus 50,, the customer receives...

16/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00285421 \*\*Image available\*\*

METHOD AND SYSTEM FOR SELECTIVE INCENTIVE POINT-OF-SALE MARKETING IN  
RESPONSE TO CUSTOMER SHOPPING HISTORIES  
PROCEDE ET SYSTEME DE DISTRIBUTION DE BONS D'ACHAT EN FONCTION DES ACHATS  
ANTERIEURS D'UN CLIENT

Patent Applicant/Assignee:

CREDIT VERIFICATION CORPORATION,

Inventor(s):

DEATON David W,

GABRIEL Rodney G,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9503570 A2 19950202

Application: WO 94US8221 19940721 (PCT/WO US9408221)

Priority Application: US 9396921 19930723; US 93141471 19931020

Designated States: AU BB BG BR BY CA CN CZ FI GE HU JP KE KG KP KR KZ LK LT

LV MD MG MN MW NO NZ PL RO RU SD SI SK TJ TT UA UZ VN AT BE CH DE DK ES

FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 79153

Fulltext Availability:

Detailed Description

Detailed Description

... their

customer identification codes in order to enhance the

universality of the present system,

The **present** system provides automatically printed

**coupons** at the **point -of- sale , or** alternatively, **later**

mailed **coupons** , which are particularly targeted to a

customer based upon his prior shopping history.

Alternatively, an...

17/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00593104

**Etch control system**

**Atzregelssystem**

**Systeme de controle de decapage**

**PATENT ASSIGNEE:**

BMC INDUSTRIES, INC., (423923), Two Appletree Square, Minneapolis, MN  
55420, (US), (applicant designated states: DE;FR;IT;NL)

**INVENTOR:**

Thoms, Roland H., 226 Kennedy Parkway, Cortland, N.Y. 13045, (US)

**LEGAL REPRESENTATIVE:**

Modiano, Guido, Dr.-Ing. et al (40786), Modiano, Josif, Pisanty & Staub,  
Baaderstrasse 3, 80469 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 599039 A1 940601 (Basic)  
EP 599039 B1 970604

APPLICATION (CC, No, Date): EP 93116514 931012;

PRIORITY (CC, No, Date): US 973679 921109; US 95400 930723

DESIGNATED STATES: DE; FR; IT; NL

INTERNATIONAL PATENT CLASS: C23F-001/08;

ABSTRACT WORD COUNT: 295

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	1614
CLAIMS B	(English)	EPAB97	1057
CLAIMS B	(German)	EPAB97	953
CLAIMS B	(French)	EPAB97	1135
SPEC A	(English)	EPABF2	4785
SPEC B	(English)	EPAB97	4775
Total word count - document A			6401
Total word count - document B			7920
Total word count - documents A + B			14321

...SPECIFICATION etchant is continuously applied to the sides of the hole.  
The result is that a **first** pre- **breakthrough** etching **rate** exists,  
and a **second** post- **breakthrough** etching **rate** exists **after** the  
opening or hole is formed. Consequently, if enlargement of all the holes  
in the...

...SPECIFICATION etchant is continuously applied to the sides of the hole.  
The result is that a **first** pre- **breakthrough** etching **rate** exists,  
and a **second** post- **breakthrough** etching **rate** exists **after** the  
opening or hole is formed. Consequently, if enlargement of all the holes  
in the...

17/3,K/2 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00874908 \*\*Image available\*\*

**PROMPT COUPON REIMBURSEMENT AFTER COUPON REDEMPTION**

**REMBOURSEMENT RAPIDE DE COUPONS APRES RACHAT DES COUPONS**

**Patent Applicant/Assignee:**

IN-STORE MEDIA SYSTEMS INC, 15423 E. Batavia Drive, Aurora, CO 80011, US,  
US (Residence), US (Nationality), (For all designated states except:  
US)

**Patent Applicant/Inventor:**

SCHULZE Everett E Jr, 1741 Fulton Street, Aurora, CO 80010, US, US  
(Residence), US (Nationality), (Designated only for: US)

**Legal Representative:**

ZINGER David F (et al) (agent), Sheridan Ross P.C., Suite 1200, 1560  
Broadway, Denver, CO 80202-5141, US,

Patent and Priority Information (Country, Number, Date):



Patent: WO 200209027 A1 20020131 (WO 0209027)  
Application: WO 2001US23479 20010725 (PCT/WO US0123479)  
Priority Application: US 2000626345 20000726  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 15159

Fulltext Availability:  
Claims

Claim

... said first coupon, after said modifying step, in a first container;  
reading secondly a second coupon from the first customer at the  
purchasing outlet, wherein said second coupon is the next coupon  
read after said first coupon ; making a determination related to  
whether said second coupon is to be redeemed after  
said reading secondly step;  
storing, after said making step, said second coupon in a second...

...reads a first coupon, a second coupon, and a third coupon, wherein at  
least said first and second coupons are from a first customer and  
said second coupon is read  
next after said first coupon ;  
processing apparatus in operative communication with said device, said  
processing apparatus determining that said first...

17/3,K/3 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00557631 \*\*Image available\*\*  
METHOD AND APPARATUS FOR PROVIDING A DISCOUNT TO A CUSTOMER THAT  
PARTICIPATES IN TRANSACTIONS AT A PLURALITY OF MERCHANTS  
PROCEDE ET APPAREIL PERMETTANT D'ACCORDER UNE REDUCTION A UN CLIENT QUI  
PARTICIPE A DES TRANSACTIONS CHEZ PLUSIEURS COMMERCANTS

Patent Applicant/Assignee:

WALKER DIGITAL LLC,  
WALKER Jay S,  
VAN LUCHENE Andrew S,  
MIK Magdalena,  
TEDESCO Daniel E,

Inventor(s):

WALKER Jay S,  
VAN LUCHENE Andrew S,  
MIK Magdalena,  
TEDESCO Daniel E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200021004 A1 20000413 (WO 0021004)  
Application: WO 99US21720 19990922 (PCT/WO US9921720)  
Priority Application: US 98166367 19981005  
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ  
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ  
CF CG CI CM GA GN GW ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 10316

Fulltext Availability:  
Detailed Description  
Claims

English Abstract

...receives first transaction data representing a first transaction at a first merchant. The server determines, **based on the first** transaction data, a **discount** and a **second** merchant. The **discount** is applicable if the consumer consummates a second transaction at the second merchant. The server...

Detailed Description

... receives first transaction data representing a first transaction at a first merchant. The server determines, **based on the first** transaction data, a **discount** and a **second** merchant. The **discount** is applicable if the consumer consummates a second transaction at the second merchant. The server...

Claim

... discount, comprising:  
receiving first transaction data representing a first transaction at a first merchant; determining, **based on the first** transaction data, a **discount** and a **second** merchant, the **discount** being applicable if the consumer consummates a second transaction at the second merchant;  
outputting an...receiving first transaction data representing a first transaction at a first merchant;  
means for determining, **based on the first** transaction data, a **discount** and a **second** merchant, the **discount** being applicable if the consumer consummates a second transaction at the second merchant;  
means for...

...to:  
5 receive first transaction data representing a first transaction at a first merchant;  
determine, **based on the first** transaction data, a **discount** and a **second** merchant, the **discount** being applicable if the consumer consummates a second transaction at the second merchant;  
0 output...

...method  
comprising:  
receiving first transaction data representing a first transaction at a first merchant; determining, **based on the first** transaction data, a **discount** and a **second** merchant, the **discount** being applicable if the consumer consummates a second transaction at the  
1 0 second merchant...

17/3,K/4 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00535085 \*\*Image available\*\*  
SYSTEM AND METHOD FOR APPLYING AND TRACKING A CONDITIONAL VALUE COUPON FOR A RETAIL ESTABLISHMENT  
SYSTEME ET PROCEDE D'APPLICATION ET DE RECHERCHE D'UN BON DE REDUCTION CONDITIONNELLE DESTINES A UN MAGASIN DE DETAIL

Patent Applicant/Assignee:  
WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,  
Inventor(s):  
WALKER Jay S,  
VAN LUCHENE Andrew S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9966437 A1 19991223

Application: WO 99US10624 19990513 (PCT/WO US9910624)

Priority Application: US 9898240 19980616

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU

TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG

CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9339

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... system further comprises determining a predetermined condition of the purchase and selecting one of the **first discount** and the **second discount based on** whether the predetermined condition is satisfied, thereby generating a selected discount having a selected discount...

Claim

... a second

discount value;

determining a predetermined condition of the purchase;

selecting one of the **first discount** and the **second discount**

**based on** whether the predetermined condition is satisfied, thereby

generating a selected discount

having a selected discount...

...receiving an item identifier representing an item of the purchase; and selecting one of the **first discount** and the **second discount based on** whether the item identifier is a predetermined item identifier.

16 The method of claim 1 item of the

purchase; and

selecting one of the **first discount** and the **second discount**

**based on** whether the manufacturer identifier is a predetermined manufacturer identifier.

28

17 The method of claim 1, further comprising:

determining a subtotal of the purchase; and

selecting one of the **first discount** and the **second discount**

**based on** whether the subtotal is greater than a predetermined threshold.

18 The method of claim 1...

...receiving a purchase price of an item of the purchase; and selecting one of the **first discount** and the **second discount based on** whether the purchase price is greater than a predetermined threshold.

19 The method of claim 1, further comprising:

determining a date of the purchase; and

selecting one of the **first discount** and the **second discount**

**based on** whether the date is within a predetermined time period.

i 20. The method of claim 1, further comprising:

determining a day of the purchase; and

selecting one of the **first discount** and **second discount based**

**on** whether the day is a predetermined day.

i 21. The method of claim 1, further comprising:

determining a time of day of the purchase; and

selecting one of the **first discount** and **second discount based**

**on** whether the

29

time of day is within a predetermined time period.

i 22. The...

...comprising:

recording a number of discounts redeemed by a purchaser; and  
selecting one of the **first discount** and **second discount** based  
on whether the  
number of discounts redeemed is greater than a predetermined number of  
redeemed discounts...

...recording a number of similar discounts redeemed by other purchasers;  
and selecting one of the **first discount** and **second discount**  
**based on** whether the  
number of similar discounts redeemed by other purchasers is less than a  
predetermined...

...comprising:

receiving a signal that represents a frequent shopper account; and  
selecting one of the **first discount** and **second discount** based  
on whether the

30

frequent shopper account is received.

i 27. The method of claim 1...method comprising:

determining a purchase price;

scanning an identifier;

retrieving a record from a database based on the identifier;

determining a **first discount** and **second discount** from the record,  
the **first discount** having a **first discount** value and the second  
discount having a second

discount value;

determining a predetermined condition from the record;

selecting one of the **first discount** and the **second discount**

**based on** whether the predetennined condition is satisfied, thereby  
generating a selected discount

1 1 having a...

...comprising:

determining a purchase price;

scanning an identifier;

33

retrieving a record from a database based on the identifier;

determining a **first discount** and **second discount** from the record,  
the **first discount** having a **first discount** value and the second  
discount having a second

discount value;

detennining a first predetermined condition from the record and a second  
predetermined condition from the record;

selecting one of the **first discount** and the **second discount**

**based on** which of 1 1 the first predeten-nined condition and second  
predetennined condition is satisfied...a

second discount value;

determine a predetermined condition of the purchase;

select one of the **first discount** and the **second discount** based

**on** whether the predetermined condition is satisfied, thereby generating  
a selected discount

34

having a selected...

...a second

discount value;

determining a predetermined condition of the purchase;

selecting one of the **first discount** and the **second discount**

**based on** whether the predetermined condition is satisfied, thereby  
generating a selected discount

having a selected discount...

...program to:

determine a purchase price;  
 scan an identifier;  
 retrieve a record from a database based on the identifier;  
 determine a first discount and second discount from the record,  
 the first  
 35  
 discount having a first discount value and the second discount  
 having a second  
 1 1 discount value;  
 determine a predetermined condition from the record;  
 select one of the first discount and the second discount based  
 on whether the predetermined condition is satisfied, thereby generating  
 a selected discount  
 having a selected discount...

...method comprising:  
 determining a purchase price;  
 scanning an identifier;  
 retrieving a record from a database based on the identifier;  
 determining a first discount and second discount from the record,  
 the first discount having a first discount value and the second  
 discount having a second  
 discount value;  
 determining a predetermined condition from the record;  
 selecting one of the first discount and the second discount  
 based on whether the 1 1 predetermined condition is satisfied, thereby  
 generating a selected discount  
 having a...

...program to:  
 determine a purchase price;  
 scan an identifier;  
 retrieve a record from a database based on the identifier;  
 determine a first discount and second discount from the record,  
 the first discount having a first discount value and the second  
 discount having a  
 1 1 second discount value;  
 determine a first...  
 ...from the record and a  
 second predetermined condition from the record;  
 select one of the first discount and the second discount based  
 on  
 which of the first predetermined condition and second predetermined  
 condition is satisfied, thereby generating a...

...method comprising:  
 determining a purchase price;  
 scanning an identifier;  
 retrieving a record from a database based on the identifier;  
 determining a first discount and second discount from the record,  
 the first  
 37  
 discount having a first discount value and the second discount  
 having a second  
 discount value;  
 determining a first predetermined condition...

...record and a second  
 predetermined condition from the record;  
 1 1 selecting one of the first discount and the second discount  
 based on which of  
 the first predetermined condition and second predetermined condition is  
 satisfied, thereby generating a...

00519381      \*\*Image available\*\*

SYSTEM AND METHOD FOR TRACKING AND ESTABLISHING A PROGRESSIVE DISCOUNT  
BASED UPON A CUSTOMER'S VISITS TO A RETAIL ESTABLISHMENT  
SYSTEME ET PROCEDE DE SUIVI ET D'ETABLISSEMENT D'UN RABAIS PROGRESSIF LIE  
AU NOMBRE DE VISITES FAITES PAR UN CLIENT A UN COMMERCE DE DETAIL

Patent Applicant/Assignee:

WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP,

Inventor(s):

WALKER Jay S,  
VAN LUCHENE Andrew S,  
MIK Magdalena,  
CHUPREVICH John,  
ALDERUCCI Dean,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9950733 A2 19991007

Application: WO 99US6597 19990325 (PCT/WO US9906597)

Priority Application: US 9849297 19980327; US 98166267 19981005

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ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU

TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG

CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 26742

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... has memory that stores a program.

The program directs the processing system to calculate a **second discount based on a first discount** and a predefined time period defined by a date of a last visit of the...

Claim

... pre-defined time period from signals indicative of stored in said memory indicative of said **first conditional discount** and said **first date**; for calculating a **second conditional discount** by increasing said **first earned discount** by a pre-defined value; and for generating a second identifier indicative of said second...

...a date of a last visit of a customer to the retail establishment, and a **first discount** ; and

determining a **second discount based on said first discount** and a

relationship of said date of said last visit of the customer and a...

expiration of said first conditional discount; determining a first earned discount in accordance with said **first conditional**

**discount** and said **first date** occurring within a pre-defined time period;

determining a **second conditional discount** by increasing said **first earned**

**discount** by a pre-defined value; and

generating a second identifier indicative of said second conditional...a date of the last visit of a customer to the retail establishment, and a

**first discount** ; and

determining a **second discount based on said first discount** and a

relationship of said date of said last visit of the customer and a...

expiration of said first conditional discount; determining a first earned discount in accordance with said **first conditional**

**discount** and said **first date** occurring within a pre-defined time period;

determining a **second conditional discount** by increasing said **first earned**

**discount** by a pre-defined value; and  
generating a second identifier indicative of said second conditional...a date of the last visit of a customer to the retail establishment, and a **first discount**; and

determining a **second discount based on said first discount** and a

relationship of said date of said last visit of the customer and a first earned discount in accordance with said **first conditional discount** and said **first** date occurring within a pre-defined time period;

determining a **second conditional discount** by increasing said **first earned**

**discount** by a pre-defined value; and  
generating a second identifier indicative of said second conditional discount and a second date representative of the expiration of said **second conditional discount**.

85 The method of claim 84, further comprising:

applying said **first earned discount** to a purchase of the customer at the retail establishment.

86 The method of claim...

...transaction of the

customer;

determining a customer rating of the customer; and

determining a **second discount based on a first discount**, the customer rating, and the transaction data.

91 The method of claim 90, wherein the...

...of the transaction.

99 The method of claim 98, wherein the step of determining the **second discount** comprises:

determining the **second discount based on a first discount**, the customer rating and on the time of the transaction. 100. The method of claim...

...a transaction price. 101. The method of claim 90, wherein the step of determining a **second discount** comprises:

determining a **second discount based on a first discount**, a ...in the transaction.

103. The method of claim 102, wherein the step of determining a **second discount** comprises:

determining a **second discount based on the first discount**, the customer rating, and the at least one product category. 104. The method of claim...

...predefined time period.

105. The method of claim 104, wherein the step of determining a **second discount** comprises:

determining a **second discount based on a first discount**, the customer rating, and on whether the time of the transaction is within the predefined...

...the transaction at the POS terminal;

determining a customer rating of the customer;

determining a **second discount based on a first discount** and the customer rating; and

I 0 transmitting the second discount to the POS terminal...

...nining a customer rating of the customer;

determining a time of the transaction;

determining a **second discount based on a first discount**, the customer rating, and the time of the transaction; and applying the second discount to...

...a customer participating in the transaction;  
determining a customer rating of the customer;  
determining a **second discount based on a first discount** and the customer rating, the second discount being greater than the first discount;  
determining a...identifier corresponding to the second identifier;  
determining a customer rating of the customer;  
setting a **second discount based on the first discount** and the customer rating, the second discount being greater than the first discount;  
determining a...

...a transaction of the customer;  
determine a customer rating of the customer; and  
determine a **second discount based on a first discount**, the customer rating, and the transaction data.  
116. An apparatus for selling an aging food...

...the transaction at the POS terminal;  
determine a customer rating of the customer;  
determine a **second discount based on a first discount** and the customer rating; and  
transmit the second discount to the POS terminal.  
117...

...determine a customer rating of the customer;  
determine a time of the transaction;  
determine a **second discount based on a first discount**, the customer rating, and the time of the transaction; and  
apply the second discount to customer participating in the transaction;  
determine a customer rating of the customer;  
determine a **second discount based on a first discount** and the customer rating, the second discount being greater than the first discount;  
determine a...

...identifier corresponding to the second identifier;  
determine a customer rating of the customer;  
set a **second discount based on the first discount** and the customer rating, the second discount being greater than the first discount;  
determine a...

...a transaction of the customer;  
determine a customer rating of the customer; and  
determine a **second discount based on a first discount**, the customer rating, and the transaction data.

76

. A computer readable medium encoded with instructions...

...the transaction at the POS terminal;  
determine a customer rating of the customer;  
determine a **second discount based on a first discount** and the customer rating; and  
transmit the second discount to the POS terminal. 122. A...

...determine a customer rating of the customer;



determine a time of the transaction;  
determine a **second discount based on a first discount**, the  
customer rating,  
and the time of the transaction; and  
apply the second discount to...

...a customer participating in the  
transaction;  
determine a customer rating of the customer;  
determine a **second discount based on a first discount** and the  
customer  
rating, the second discount being greater than the first discount;  
determine a...identifier corresponding to the second identifier;  
determine a customer rating of the customer;  
set a **second discount based on the first discount** and the  
customer rating,  
the second discount being greater than the first discount;  
determine a...

18/TI/1 (Item 1 from file: 348)  
DIALOG(R)File 348:(c) 2002 European Patent Office. All rts. reserv.

Machining method using numerical control apparatus  
Bearbeitungsverfahren mit Verwendung von einem numerischen Steuerungsgerat  
Methode d'usage utilisant un appareil a commande numerique

18/TI/2 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR APPLYING AND TRACKING A CONDITIONAL VALUE COUPON FOR  
A RETAIL ESTABLISHMENT  
SYSTEME ET PROCEDE D'APPLICATION ET DE RECHERCHE D'UN BON DE REDUCTION  
CONDITIONNELLE DESTINES A UN MAGASIN DE DETAIL

18/TI/3 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR TRACKING AND ESTABLISHING A PROGRESSIVE DISCOUNT  
BASED UPON A CUSTOMER'S VISITS TO A RETAIL ESTABLISHMENT  
SYSTEME ET PROCEDE DE SUIVI ET D'ETABLISSEMENT D'UN RABAIS PROGRESSIF LIE  
AU NOMBRE DE VISITES FAITES PAR UN CLIENT A UN COMMERCE DE DETAIL

18/TI/4 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYNCHRONOUS DMA TRANSFER PROTOCOL  
PROTOCOLE DE TRANSFERT DMA SYNCHRONE

19/TI/1 (Item 1 from file: 348)  
DIALOG(R)File 348:(c) 2002 European Patent Office. All rts. reserv.

Electronic coupon system  
Elektronisches Coupon-System  
Systeme de coupons electroniques

19/TI/2 (Item 2 from file: 348)  
DIALOG(R)File 348:(c) 2002 European Patent Office. All rts. reserv.

Sales system and service providing method  
Verkaufssystem und einen Dienst bereitstellendes Verfahren  
Systeme de vente et methode fournissant un service

19/TI/3 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD OF ADVERTISING ON A COMPUTER NETWORK  
SYSTEME ET PROCEDE PUBLICITAIRES SUR UN RESEAU INFORMATIQUE

19/TI/4 (Item 2 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

NETWORK-BASED VOUCHER SYSTEM  
SYSTEME DE DISTRIBUTION DE COUPONS EN RESEAU

19/TI/5 (Item 3 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

INTERNET BARGAINING SYSTEM  
SYSTEME DE MARCHANDAGE PAR INTERNET

19/TI/6 (Item 4 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYSTEM TO PROVIDE DISCOUNT AMOUNTS FOR PERFORMANCE OF WORK ASSIGNMENTS  
SYSTEME CONCU POUR FOURNIR DES RABAIS POUR L'EXECUTION D'ATTRIBUTIONS DE  
TACHES

19/TI/7 (Item 5 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

EARLY-PAYMENT DISCOUNT FOR E-BILLING SYSTEM  
RABAIS POUR PAIEMENT RAPIDE POUR SYSTEME DE FACTURATION ELECTRONIQUE

19/TI/8 (Item 6 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR AUTOMATED PAYMENT TRANSACTIONS  
PROCEDE ET APPAREIL POUR EFFECTUER DES OPERATIONS DE PAIEMENT AUTOMATISEES

19/TI/9 (Item 7 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR PRESENTING AND SELECTING PRODUCT AGREEMENTS  
PROCEDE ET DISPOSITIF DE PRESENTATION ET DE SELECTION D'ACCORDS DE PRODUIT

19/TI/10 (Item 8 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

PROCESS, SYSTEM AND COMPUTER READABLE MEDIUM FOR PROVIDING PURCHASING  
INCENTIVES TO A PLURALITY OF RETAIL STORE ENVIRONMENTS  
PROCEDE, SYSTEME ET SUPPORT EXPLOITABLE PAR ORDINATEUR PERMETTANT D'OFFRIR  
DES INCITATIONS A LA CONSOMMATION A UNE PLURALITE D'ENVIRONNEMENTS DE  
MAGASINS DE DETAIL

19/TI/11 (Item 9 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR IMPLEMENTING AND BILLING WAP AND INTERNET SERVICES  
PROCEDE ET SYSTEME DE MISE EN OEUVRE ET DE FACTURATION DE SERVICES WAP ET  
INTERNET

19/TI/12 (Item 10 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR REDEEMING PRODUCT MARKETING REBATES  
PROCEDE ET SYSTEME SERVANT A OBTENIR DES RABAIS COMMERCIAUX SUR DES  
PRODUITS

19/TI/13 (Item 11 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

PROVIDING DIRECTED MARKETING INCENTIVES USING IDENTIFICATION OF CUSTOMERS  
AND PURCHASE SELECTIONS THROUGH RF ID TECHNOLOGY  
INCITATIONS CIBLEES DE MARKETING UTILISANT L'IDENTIFICATION DES CLIENTS ET  
LES SELECTIONS D'ACHATS VIA LA TECHNOLOGIE RF ID

19/TI/14 (Item 12 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

E COMMERCE SYSTEM  
SYSTEME DE COMMERCE ELECTRONIQUE

19/TI/15 (Item 13 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR ADMINISTERING ELECTRONIC PROMOTIONS  
SYSTEME ET PROCEDE DE GESTION DE PROMOTIONS ELECTRONIQUES

19/TI/16 (Item 14 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

GRAPHICAL USER INTERFACE FOR DISPLAYING OPTIONS FOR FUNDING AN ESTATE TAX  
LIABILITY  
INTERFACE GRAPHIQUE PERMETTANT D'AFFICHER DES OPTIONS D'INVESTISSEMENT AFIN  
DE FAIRE FACE A L'ASSUJETTISSEMENT A L'IMPOT SUR LES BIENS TRANSMIS PAR  
DECES

19/TI/17 (Item 15 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR TRACKING CONSUMERS  
PROCEDE ET DISPOSITIF DE SUIVI DE CONSOMMATEUR

19/TI/18 (Item 16 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR CONDUCTING ELECTRONIC AUCTIONS WITH NET PRESENT VALUE

BIDDING

PROCEDE ET SYSTEME DE CONDUITE DE VENTES AUX ENCHERES ELECTRONIQUES PAR  
L'INTERMEDIAIRE D'OFFRES A VALEUR ACTUELLE NETTE

19/TI/19 (Item 17 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

COUPON REDEMPTION SYSTEM  
SYSTEME D'ECHANGE DE BONS

19/TI/20 (Item 18 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR PROVIDING A DISCOUNT TO A CUSTOMER THAT  
PARTICIPATES IN TRANSACTIONS AT A PLURALITY OF MERCHANTS  
PROCEDE ET APPAREIL PERMETTANT D'ACCORDER UNE REDUCTION A UN CLIENT QUI  
PARTICIPE A DES TRANSACTIONS CHEZ PLUSIEURS COMMERCANTS

19/TI/21 (Item 19 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

A GLOBAL VALUE EXCHANGE SYSTEM AND METHOD  
SYSTEME ET PROCEDE D'ECHANGE GLOBAL DE VALEURS

19/TI/22 (Item 20 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

SYSTEM AND METHOD FOR APPLYING AND TRACKING A CONDITIONAL VALUE COUPON FOR  
A RETAIL ESTABLISHMENT  
SYSTEME ET PROCEDE D'APPLICATION ET DE RECHERCHE D'UN BON DE REDUCTION  
CONDITIONNELLE DESTINES A UN MAGASIN DE DETAIL

19/TI/23 (Item 21 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHODS AND APPARATUS FOR INTELLIGENT SELECTION OF GOODS AND SERVICES IN  
TELEPHONIC AND ELECTRONIC COMMERCE  
METHODES RELATIVES A UNE SELECTION INTELLIGENTE DE BIENS ET DE SERVICES  
POUR COMMERCE TELEPHONIQUE ET ELECTRONIQUE ET DISPOSITIF CORRESPONDANT

19/TI/24 (Item 22 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

POINT-OF-SALE DISCOUNTING AND PROMOTION ANALYSIS SYSTEM AND METHOD  
SYSTEME ET PROCEDE D'ANALYSE DES PROMOTIONS ET DES VENTES AU RABAIS SUR LE  
LIEU D'ACHAT

19/TI/25 (Item 23 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND SYSTEM FOR PRESENTING CUSTOMIZED PROMOTIONAL OFFERS  
PROCEDE ET SYSTEME DE PRESENTATION D'OFFRES PROMOTIONNELLES PERSONNALISEES

19/TI/26 (Item 24 from file: 349)  
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

COUPONING ISSUANCE AND TRACKING SYSTEM FOR A COMMUNICATIONS NETWORK  
SYSTEME DE DELIVRANCE ET DE SUIVI DE COUPONS POUR RESEAU DE COMMUNICATION

19/TI/27 (Item 25 from file: 349)

DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv.

METHOD AND APPARATUS FOR ELECTRONICALLY CLEARING AND PROCESSING BAR-CODED  
DISCOUNT COUPONS  
PROCEDE ET APPAREIL DE VALIDATION ET DE TRAITEMENT DE BONS DE REDUCTION A  
CODES A BARRES

19/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2002 European Patent Office. All rts. reserv.

01389266

**Electronic coupon system**  
**Elektronisches Coupon-System**  
**Systeme de coupons electroniques**

**PATENT ASSIGNEE:**

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**LEGAL REPRESENTATIVE:**

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PATENT (CC, No, Kind, Date): EP 1178421 A2 020206 (Basic)

APPLICATION (CC, No, Date): EP 2001118381 010727;

PRIORITY (CC, No, Date): JP 2000233511 000801; JP 2001107934 010406

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: **G06F-017/60**

ABSTRACT WORD COUNT: 122

**NOTE:**

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
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SPEC A	(English)	200206	19025
Total word count - document A			21228
Total word count - document B			0
Total word count - documents A + B			21228

INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION first preferred embodiment of the present invention;

Fig. 12 shows an outline of an electronic **coupon** system in a **second** preferred embodiment of the **present** invention;

Fig. 13 is a flow chart of a business flow in the second preferred...

...Fig. 17 is a flow chart of the steps from searching to generating an electronic **coupon** in the **second** preferred embodiment of the **present** invention;

Fig. 18 shows a main menu screen for an electronic **coupon** search in the **second** preferred embodiment of the **present** invention;

Fig. 19 shows a first part of the screen flow during an electronic **coupon** search in the **second** preferred embodiment of the **present** invention;

Fig. 20 shows a second part of the screen flow during the electronic **coupon** search in the **second** preferred embodiment of the **present** invention;

Fig. 21 shows a third part of the screen flow during the electronic **coupon** search in the **second** preferred embodiment of the **present** invention;

Fig. 22 shows an example of a bar code information display on the cellular...

...second preferred embodiment of the present invention;

Fig. 28 is a flow chart of a **discount** process in the **second** preferred embodiment of the **present** invention;

Fig. 29 is a flow chart of usage information analysis, data collection, billing and...

19/3,K/3 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00902208

**SYSTEM AND METHOD OF ADVERTISING ON A COMPUTER NETWORK  
SYSTEME ET PROCEDE PUBLICITAIRES SUR UN RESEAU INFORMATIQUE**

Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200235431 A1 20020502 (WO 0235431)

Application: WO 2001US32215 20011017 (PCT/WO US0132215)

Priority Application: US 2000241918 20001020

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3712

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... Clues may reinforce important concepts, messages, jingles and logos.

Advertisers may announce specials, discounts, and **coupons** in these **pop**  
-up windows, The **instantaneous** clue feature may maximize an  
advertiser's messages.

FIG. 6 depicts a screen display of...

19/3,K/4 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00899529 \*\*Image available\*\*

**NETWORK-BASED VOUCHER SYSTEM**

**SYSTEME DE DISTRIBUTION DE COUPONS EN RESEAU**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200233622 A1 20020425 (WO 0233622)

Application: WO 2001US31463 20011009 (PCT/WO US0131463)

Priority Application: US 2000691647 20001017

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU

SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR



(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 6820

Main International Patent Class: G06F-017/60  
Fulltext Availability:  
Claims

#### Claim

... method of claim 1, wherein the validating  
the second electronic voucher comprises determining  
whether the **second electronic voucher** has exceeded a  
time **limit** .  
. The method of claim 1, wherein the granting  
the recipient access to selected portions of...system of claim 33,  
wherein the  
validating the second electronic voucher comprises  
determining whether the **second electronic voucher** has  
exceeded a time **limit** .  
42 The computer system of claim 33, wherein the  
granting the recipient access to selected...

19/3,K/7 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00836826

#### EARLY-PAYMENT DISCOUNT FOR E-BILLING SYSTEM RABAIS POUR PAIEMENT RAPIDE POUR SYSTEME DE FACTURATION ELECTRONIQUE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200169501 A1 20010920 (WO 0169501)

Application: WO 2001US8113 20010314 (PCT/WO US0108113)

Priority Application: US 2000189224 20000314

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CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7676

Main International Patent Class: G06F-017/60  
Fulltext Availability:  
Detailed Description

#### Detailed Description

... first set time period, e.g., five (5) days, of receiving the invoice,  
or, a **second smaller discount** amount, e.g., one percent (1%), for  
EFT payment within a second set time period...first set time period,  
e.g., five (5) days, of receiving the invoice, or, a **second smaller  
discount** amount, e.g., one percent (1%), for EFT payment within a second  
set time period...

19/3,K/9 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00830839

**METHOD AND APPARATUS FOR PRESENTING AND SELECTING PRODUCT AGREEMENTS  
PROCEDE ET DISPOSITIF DE PRESENTATION ET DE SELECTION D'ACCORDS DE PRODUIT**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200163522 A2 20010830 (WO 0163522)  
Application: WO 2001US5503 20010222 (PCT/WO US0105503)  
Priority Application: US 2000184485 20000223; US 2000609454 20000630

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 27289

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... ID codes are not physically associated with products, so a customer  
may be required to **present** a **coupon** at a **point** of **sale**. For  
example, a customer may hand a coupon to a cashier, thereby indicating  
his desire...

19/3,K/10 (Item 8 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00794349 \*\*Image available\*\*

**PROCESS, SYSTEM AND COMPUTER READABLE MEDIUM FOR PROVIDING PURCHASING  
INCENTIVES TO A PLURALITY OF RETAIL STORE ENVIRONMENTS**

**PROCEDE, SYSTEME ET SUPPORT EXPLOITABLE PAR ORDINATEUR PERMETTANT D'OFFRIR  
DES INCITATIONS A LA CONSOMMATION A UNE PLURALITE D'ENVIRONNEMENTS DE  
MAGASINS DE DETAIL**

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Inventor(s):

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Legal Representative:

NEIFELD Richard A (et al) (agent), Oblon, Spivak, McClelland, Maier & Neustadt, P.C., Crystal Square Five, Fourth Floor, 1755 Jefferson Davis Highway, Arlington, VA 22202, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200127854 A2 20010419 (WO 0127854)

Application: WO 2000US15 20000112 (PCT/WO US0000015)

Priority Application: US 99415065 19991012

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9125

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... This description may specify the amount of any discounts applied to the customer's purchase based upon qualifying purchases.

or may describe coupons printed by the POS system and given to the customer for future purchases. This description will also include an...

19/3,K/12 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00786965 \*\*Image available\*\*

METHOD AND SYSTEM FOR REDEEMING PRODUCT MARKETING REBATES

PROCEDE ET SYSTEME SERVANT A OBTENIR DES RABAIS COMMERCIAUX SUR DES PRODUITS

Patent Applicant/Inventor:

DEVLIN Edward A, 302 Tanglewood Terrace, Downingtown, PA 19335, US, US (Residence), US (Nationality)

QUINLAN Chris, 8 Quail Run, Greenville, DE 19807, US, US (Residence), US (Nationality)

Legal Representative:

DONNELLY Rex A IV (et al) (agent), Ratner & Prestia, P.O. Box 7228, Wilmington, DE 19803, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200120445 A1 20010322 (WO 0120445)

Application: WO 2000US25462 20000915 (PCT/WO US0025462)

Priority Application: US 99154087 19990915; US 2000495819 20000202

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 18962

International Patent Class: G06F-017/60 ...

Fulltext Availability:

## Detailed Description

### Detailed Description

... having rebate offers. whereas the primary receipt comprises an accounting of all purchases in the **qualified** transaction. including items without associated **rebate** offers.

The **second** receipt may even include information regarding how to make the rebate

IbYour purchases of the...

19/3,K/13 (Item 11 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00785197 \*\*Image available\*\*

**PROVIDING DIRECTED MARKETING INCENTIVES USING IDENTIFICATION OF CUSTOMERS  
AND PURCHASE SELECTIONS THROUGH RF ID TECHNOLOGY  
INCITATIONS CIBLEES DE MARKETING UTILISANT L'IDENTIFICATION DES CLIENTS ET  
LES SELECTIONS D'ACHATS VIA LA TECHNOLOGIE RF ID**

Patent Applicant/Assignee:

CATALINA MARKETING INTERNATIONAL INC, 11300 9th St. N., St. Petersburg,  
FL 33716, US, US (Residence), US (Nationality)

Inventor(s):

CLACK James B, 2670 Woodhall Terrace, Palm Harbor, FL 34685, US,

Legal Representative:

NEIFELD Richard A (et al) (agent), Oblon, Spivak, McClelland, Maier &  
Neustadt, P.C., Crystal Square Five, Fourth Floor, 1755 Jefferson Davis  
Highway, Arlington, VA 22202, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200118732 A2 20010315 (WO 0118732)

Application: WO 2000US2529 20000301 (PCT/WO US0002529)

Priority Application: US 99389783 19990903

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8343

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

### Detailed Description

... known to practitioners in the relevant arts.

A retail store using an embodiment of the **present** invention and implementing paperless **coupons** includes a **POS** system that receives specifications of paperless coupon price adjustments for individual customers and store these...

19/3,K/15 (Item 13 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00783185 \*\*Image available\*\*

**SYSTEM AND METHOD FOR ADMINISTERING ELECTRONIC PROMOTIONS  
SYSTEME ET PROCEDE DE GESTION DE PROMOTIONS ELECTRONIQUES**

Patent Applicant/Assignee:

NUWORLD MARKETING LIMITED, 75 Tri-State International, Suite 400,

Lincolnshire, IL 60069-4443, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

SULLIVAN Thomas J, 35 Tall Pines Drive, Weston, CT 06883, US, US (Residence), US (Nationality), (Designated only for: US)  
WINDISH Richard J, 3036 Haven Lane, Lindenhurst, IL 60046, US, US (Residence), US (Nationality), (Designated only for: US)  
LE WRIGHT Dorr H, 538 Quincy Court, Lindenhurst, IL 60046, US, US (Residence), US (Nationality), (Designated only for: US)  
TRATTNER Joseph M, 113 Acorn Drive, North Aurora, IL 60542, US, US (Residence), US (Nationality), (Designated only for: US)  
ARENSON Suzanee K, 1036 Queens Lane, Glenview, IL 60025, US, US (Residence), US (Nationality), (Designated only for: US)  
COLUNGA George, 651 Meadow Lane, Libertyville, IL 60048, US, US (Residence), US (Nationality), (Designated only for: US)  
HACKETT Kathy S, 2519 N. Riverside Drive, McHenry, IL 60050, US, US (Residence), US (Nationality), (Designated only for: US)  
CAMPBELL Joica C, 6724 Pheasant Trail, Cary, IL 60013, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

MASIA Adam H (agent), Bell, Boyd & Lloyd LLC, P.O. Box 1135, Chicago, IL 60690-1135, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116696 A1 20010308 (WO 0116696)  
Application: WO 2000US22269 20000814 (PCT/WO US0022269)  
Priority Application: US 99385489 19990830

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14473

International Patent Class: G06F-017/60 ...

Fulltext Availability:

Detailed Description

Detailed Description

... running a scan-based reduced price promotion, the discount is reflected in the product's reduced price . The POS system stores this promoted product POS data or information in the store's central POS...

19/3,K/19 (Item 17 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00736182 \*\*Image available\*\*

COUPON REDEMPTION SYSTEM

SYSTEME D'ECHANGE DE BONS

Patent Applicant/Assignee:

IN-STORE MEDIA SYSTEMS INC, 15423 E. Batavia Drive, Aurora, CO 80011, US, US (Residence), US (Nationality)

Inventor(s):

SCHULZE Everett E Jr, 1741 Fulton Street, Aurora, CO 80010, US

Legal Representative:

ZINGER David F, Sheridan Ross P.C., Suite 1200, 1560 Broadway, Denver, CO 80202-5141, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200049515 A1 20000824 (WO 0049515)  
Application: WO 2000US4011 20000216 (PCT/WO US0004011)  
Priority Application: US 99250207 19990216

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7874

International Patent Class: G06F-017/60

Fulltext Availability:

Claims

Claim

... reader device;  
making a determination related to whether said second coupon is to be  
redeemed  
after said reading step for said second coupon ; and  
1 5 storing, after said making step, said second coupon in an  
unmodified state for  
subsequent verification.

2 The method, as claimed in claim 1...

19/3,K/21 (Item 19 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00557611 \*\*Image available\*\*

A GLOBAL VALUE EXCHANGE SYSTEM AND METHOD

SYSTEME ET PROCEDE D'ECHANGE GLOBAL DE VALEURS

Patent Applicant/Assignee:

MASSEY Michele,  
TENG Wai Chong,  
HOPE Alan,

Inventor(s):

MASSEY Michele,  
TENG Wai Chong,  
HOPE Alan,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200020984 A1 20000413 (WO 0020984)

Application: WO 98US21306 19981008 (PCT/WO US9821306)

Priority Application: WO 98US21306 19981008

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 7035

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... directly credited to the card member at the time of the retail  
purchase and will immediately reduce the purchase price at the  
point of sale (POS). The remaining one-third (1/3), as in this  
example, of the coupon benefit...

19/3,K/24 (Item 22 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00410344     \*\*Image available\*\*

**POINT-OF-SALE DISCOUNTING AND PROMOTION ANALYSIS SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE D'ANALYSE DES PROMOTIONS ET DES VENTES AU RABAIS SUR LE**  
**LIEU D'ACHAT**

Patent Applicant/Assignee:

CODESAVER INTERNATIONAL INC,

Inventor(s):

NAFTZGER Walter L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9800803 A1 19980108

Application: WO 96US14232 19960904 (PCT/WO US9614232)

Priority Application: US 96671723 19960628; US 96691114 19960801

Designated States: AU CA FI IL JP MX SG AT BE CH DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 15887

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... the first promotional code and was received within the promotion period. The second software module **reduces** the cost of the **point -of-sale** transaction by the **discount** amount if an item having the product code transmitted to the second software module was...

19/3,K/25     (Item 23 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00379536     \*\*Image available\*\*

**METHOD AND SYSTEM FOR PRESENTING CUSTOMIZED PROMOTIONAL OFFERS**  
**PROCEDE ET SYSTEME DE PRESENTATION D'OFFRES PROMOTIONNELLES PERSONNALISEES**

Patent Applicant/Assignee:

INTER\*ACT SYSTEMS INCORPORATED,

Inventor(s):

NASH Paul A,

PENWELL William F,

JONES Michael R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9720279 A1 19970605

Application: WO 96US18930 19961127 (PCT/WO US9618930)

Priority Application: US 95561338 19951130

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW  
MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD  
SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 4822

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... However, the patent does not teach a way of customizing offers to target particular consumers **based on** consumer profiles.

A **second** prior art **couponing** system was the subject of three related patents, US Patent Nos. 4,723,212 (Mindrum...

19/3,K/26     (Item 24 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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00345330      \*\*Image available\*\*

**COUPONING ISSUANCE AND TRACKING SYSTEM FOR A COMMUNICATIONS NETWORK  
SYSTEME DE DELIVRANCE ET DE SUIVI DE COUPONS POUR RESEAU DE COMMUNICATION**

Patent Applicant/Assignee:

MULTIMEDIA SYSTEMS CORPORATION,

Inventor(s):

LEWIS Scott W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9627843 A1 19960912

Application: WO 96US3137 19960306 (PCT/WO US9603137)

Priority Application: US 95399779 19950307

Designated States: AU BR CA FI JP KR NO NZ RU AT BE CH DE DK ES FI FR GB GR

IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 11206

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... of coupons based upon a code that he/she enters on the keypad.

In a **second** embodiment, the **coupon** is issued **based upon** an advertisement. The customer would hear and see a particular advertisement prior to the issuance...

**19/3,K/27      (Item 25 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

(c) 2002 WIPO/Univentio. All rts. reserv.

00312046

**METHOD AND APPARATUS FOR ELECTRONICALLY CLEARING AND PROCESSING BAR-CODED  
DISCOUNT COUPONS**

**PROCEDE ET APPAREIL DE VALIDATION ET DE TRAITEMENT DE BONS DE REDUCTION A  
CODES A BARRES**

Patent Applicant/Assignee:

CATALINA ELECTRONIC CLEARING SERVICES INC,

Inventor(s):

GRANGER Daniel D,

MAXWELL Robert L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9530199 A1 19951109

Application: WO 95US5243 19950426 (PCT/WO US9505243)

Priority Application: US 94234998 19940429

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU

JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE

SI SK TJ TT UA UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU

MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9225

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... Although various techniques have been proposed in the past for electronic validation of coupons, to **minimize** misredemptions at **point-of-sale** terminals, prior **coupon** clearing techniques still rely on making multiple counts of paper coupons, and on an elaborate...



Set	Items	Description
S1	22541	IDENTIF? OR DETECT? OR FOUND? OR FIND? OR DISCOVER? OR RECOGNI????? OR DISCERN? OR UNCOVER?
S2	671	REBATE? OR DISCOUNT OR COUPON? OR VOUCHER? OR (PRICE OR EXPENSE? OR FEE OR FEES OR CHARG? OR RATE OR RATES OR OUTLAY?) (-2N) (ABATE? OR CONCESSION? OR REDUC? OR DEDUCT? OR SET(1W)OFF - OR BREAK?)
S3	6356	MANUFACTURER? OR PRODUCER? OR MAKER? OR FABRICATOR? OR CREATOR? OR BUILDER? OR CONSTRUCTOR? OR OEM
S4	13613	FIRST? OR INITIAL OR INITIALLY OR PRECED? OR LEAD OR LEADING
S5	3618	SECOND OR 2ND OR POS OR POINT(3W) (SALE OR SERVICE OR PURCHASE) OR EPOS OR POP OR POS
S6	12639	CONTINGEN? OR QUALIFY? OR QUALIFIED OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTER?
S7	22210	IMMEDIATE? OR INSTANT? OR PROMPT? OR CURRENT? OR NOW OR PRESENT OR PRESENTLY
S8	22436	LESS? OR REDUC? OR DECREAS? OR LOWER? OR DIMINISH? OR CUT - OR CUTTING OR SCALE?()BACK OR MINIMI? OR SMALLER OR FEWER OR - DECLIN? OR SHORTEN? OR CONTRACTED OR LIMIT? OR DOWNGRAD? OR DEFLAT? OR ABAT? OR FALL?
S9	11973	FUTURE OR DEFERRED OR DEFERRING OR DELAY? OR POSTPON? OR LATER OR FOLLOWING OR SUBSEQUENT? OR NEXT
S10	0	S1(5N) (S2(3N)S3)
S11	13	S1 AND S2 AND S3
S12	8	S11 NOT PD>20000216
S13	10	S2(5N)S3
S14	8	S13 NOT S11
S15	5	S14 NOT PD>20000216
S16	17	S2(5N)S6
S17	11	S16 NOT (S11 OR S15) NOT PD>20000216
S18	3	S2(5N)S5

12/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01752517 DOCUMENT TYPE: Product

**PRODUCT NAME: SM4 4.0 (752517)**

Abelson Communications Inc (496197)  
430 Rocklyn Ave  
Lynbrook, NY 11563 United States  
TELEPHONE: (516) 596-9610

RECORD TYPE: Directory

CONTACT: Sales Department

SM4 4.0 is a sales management, telemarketing and advertising sales management system that enables advertising salespeople to keep in touch with clients and prospects around the world. They can **find** specific records by customer number, company name, telephone number, source, last name, date, business, category, next call back date, or user-defined fields. Advertising salespeople can instantly create their own queries and modify them. They can enter unlimited names, telephone numbers, and mail codes with a memo field for each name. SM4 prints various size labels. Labels can be printed in numerical order as well as zip-code order. A user-definable query **builder** is provided. The advertising contract system handles publication, agency, issue date, space, commission, commission splits, position, rate base, color and bleed charge, premium charges, agency **discount**, contract dates, nine user-defined production fields, memos, and comments. It handles pro forma invoices. In addition, it links to a full accounts receivable system. There are a number of advertising sales reports including ad confirmations, advertising sales reports, and advertising production reports. In addition, there is an export function to transfer data to other software. An e-mail add-on is available.

DESCRIPTORS: CRM; Contracts; Sales Force Automation; Telemarketing;  
Advertising; Labels; Billing; Mailing Lists; Accounts Receivable;  
Newspapers; Publishing

HARDWARE: Pentium; IBM PC & Compatibles  
OPERATING SYSTEM: Windows; Windows NT/2000  
PROGRAM LANGUAGES: Visual FoxPro  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Publishing  
PRICE: \$2,995 - single user; \$4,995 - multi-user; Internet demo available  
NUMBER OF INSTALLATIONS: 100  
TRAINING AVAILABLE: Training; telephone support; support contracts  
available; e-mail support; technical support  
OTHER REQUIREMENTS: 32MB RAM recommended  
SERVICES AVAILABLE: Custom programming  
REVISION DATE: 011129

12/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01470856 DOCUMENT TYPE: Product

**PRODUCT NAME: Business Pack (470856)**

Dynacomp Inc (095443)  
4560 E Lake Rd  
Livonia, NY 14487 United States  
TELEPHONE: (585) 346-9788

RECORD TYPE: Directory

CONTACT: Sales Department

Business Pack is a large collection of ready-to-run programs for various business calculations. The collection includes Interest apportionment by rule of 78s, Annuity computation, Time between dates, Day of year a particular date falls, Interest **rate** on lease, **Break** -even analysis, Straight-line depreciation, Sum-of-the-digits depreciation, Declining-balance depreciation, Double-declining-balance depreciation, Cash flow vs. depreciation tables, prints RAPIDFORMS checks along with daily register, Checkbook maintenance, Mortgage amortization table, Computes time needed for money to double, triple, etc., Determines salvage value of an investment, Rate of return on investment with variable inflows, Rate of return on investment with constant inflows, Effective interest rate of a loan, Future value of an investment, Present value of a future amount, Amount of payment on a loan, Equal withdrawals from investment to leave 0 over, Simple **discount** analysis, Equivalent & nonequivalent dated values for obligation, Present value of deferred annuities, Percent markup analysis for items, Sinking-fund amortization, Value of a bond, Depletion analysis, Black Scholes options analysis, Expected return on stock via discounts dividends, Value of a warrant, Value of a bond, Estimate of future earnings per share for company, Computes alpha and beta variables for stock, Portfolio selection model, Option-writing computations, Value of a right, Expected-value analysis, Bayesian decisions, Value of perfect information, Value of additional information, Derives utility function, Linear programming solution by simplex method, Transportation method for linear programming, Economic order quantity inventory model, Single-server queueing model, Cost-volume-profit analysis, Conditional profit tables, Opportunity loss tables, Fixed quantity economic order quantity model, Same but with shortages permitted, Same but with quantity **price breaks**, Cost benefit waiting-line analysis, Net cash flow analysis for simple investment, Profitability index of a project, Cap. Asset. Pr. Model analysis of a project, Weighted average cost of capital, True rate on loan with compensating balance required, True rate on discounted item, Merger analysis computations, Financial ratios for a firm, Net present value of project, Laspeyres price index, Paasche price index, Constructs seasonal quantity indices for company, Time series analysis linear trend, Time series analysis moving-average trend, Future price estimation with inflation, Mailing list, Letter-writing, Sorts list of names, Shipping label **maker**, Name label **maker**, DOME business bookkeeping, Computes week's total hours from timeclock, In-memory accounts-payable, Generate invoice on screen and print, In-memory inventory control, Computerized telephone directory, Time use analysis, Use of assignment algorithm for optional job assign, In-memory accounts receivable, Compares three methods of repayment of loans, Computes gross pay required for given net, Computes selling price for given after-tax amount, Arbitrage computations, Sinking-fund depreciation, **Finds** UPS zones from Zip code, Types envelopes, Automobile expense analysis, Insurance policy file, In-memory payroll and others.

DESCRIPTORS: Financial Calculations; Depreciation; Amortization; Time Series; Financial Analysis

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: MS-DOS  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
PRICE: \$99.95

DOCUMENTATION AVAILABLE: Included with package  
TRAINING AVAILABLE: Training; telephone support; hotline support;  
technical support  
OTHER REQUIREMENTS: 256K RAM required  
SERVICES AVAILABLE: Consulting  
REVISION DATE: 960910

12/5/3

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00119775 DOCUMENT TYPE: Review

PRODUCT NAMES: E-Banking (839299)

TITLE: Net Banking On The Future

AUTHOR: Duvall, Mel

SOURCE: Interactive Week, v6 n27 p9(1) Jul 5, 1999

ISSN: 1078-7259

HOME PAGE: <http://www.interactive-week.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

A discussion of Internet banking services of the future highlights some new entrants to the market, possibly including Wal-Mart, whose filing with federal regulators to buy Federal BankCentre, a small savings bank, appears to be creating a **foundation** for Internet and **discount** banking. Companies that provide software that permits banks to operate online also say they are working apace to meet the needs of existing banks, credit unions, and thrifts trying to add Internet banking services for clients or begin completely new Internet banking units. Other companies expressing interest in Internet banking and services are Ford Motor Company, brokerage houses, insurance companies, and even a coffin **maker**. Many companies want to be in the banking business in order to reach a targeted audience, says a research analyst, and Internet banks give these companies a way to provide a front end to many and varied, profitable electronic services or products. For instance, Wal-Mart's purchase of Federal BankCentre would give the world's leading retailer a **foundation** from which it could open small bank branches in Wal-Mart stores and a venue for Internet banking. A spokesperson for Wal-Mart says the company is not ready to announce plans but that the purchase would allow Wal-Mart to offer the same services a thrift can offer today, including Internet banking.

COMPANY NAME: Vendor Independent (999999)

DESCRIPTORS: Banks; E-Banking; Financial Institutions; Retailers

REVISION DATE: 20010930

12/5/4

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

00119227 DOCUMENT TYPE: Review

PRODUCT NAMES: CarsDirect.com (774375)

TITLE: Tire-Clickers: CarsDirect.com's One-Stop Buying and Delivery...

AUTHOR: Moran, Susan

SOURCE: Business 2.0, p158(5) Sep 1999

ISSN: 1080-2681

HOME PAGE: <http://www.business2.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

CarsDirect.com's namesake online auto service allows visitors to research, configure, and buy cars at lower cost directly over the Internet. Costs related to the showroom are eliminated, and the site also sells leasing, insurance, and other related services. Car shopping is cheaper and more convenient, and the site puts pressure on dealers to reduce prices and operating costs. **Manufacturers** are encouraged to offer more choices and faster delivery of orders. Scott Painter, with idealab!'s Bill Gross of CarsDirect.com, created an auto referral service, AutoAccess, that links

individual shoppers to 175 dealerships in Northern California. Painter's goal is to transform the \$500 billion auto industry by making car purchasing a point-and-click process. CarsDirect.com has had significant financial support and investment from venture capitalists, including Michael Dell's MSD Capital, Goldman Sachs Group, **Foundation** Capital idealab! Capital Partners, and Primedia Ventures. More consumer confidence in the online car-purchasing model will make Internet a healthy channel in the auto market, according to a consultant for Arthur Andersen. CarsDirect's goal is to sell thousands of cars nationwide directly through the Internet, and it bases its marketing model on Dell Computer's build-to-order configuration model and direct-to-customer sales at **discount** prices. Among CarsDirect's many competitors are MSN Carpoint, cars.com, AutoConnect, AutoSite, AutoWorld, AutoNation, and carOrder.com.

COMPANY NAME: CarsDirect.com (669431)  
SPECIAL FEATURE: Charts  
DESCRIPTORS: Auto Dealers; Auto Manufacturing; Internet Marketing;  
Internet Shopping  
REVISION DATE: 20011030

12/5/5

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00116861 DOCUMENT TYPE: Review

PRODUCT NAMES: CARS/Medicaid (756075); Matrix (712418); Intra.doc!  
Management System (705667)

TITLE: Compliance tools help ease regulatory burden  
AUTHOR: Staff  
SOURCE: KM World, v8 n4 p52(2) Apr 1999  
ISSN: 1060-894X  
HOMEPAGE: <http://www.KMonline.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Systems Consulting's CARS/Medicaid, MatrixOne's Matrix and IntraNet Solutions' Intra.doc! Management System are FDA-compliance software tools highlighted. CARS/Medicaid and Global Advantage are used respectively by pharmaceutical **manufacturers** to comply with Food and Drug Administration (FDA) regulations in processing Medicaid claims submitted by states; and Direct Radiography, a division of Sterling Diagnostics, to electronically match signatures and to track history log files electronically. The compliance software tools help companies more efficiently determine such factors as the best price per prescription unit, and also streamline the processing of state-submitted Medicaid **rebate** claims in order to avoid fines. CARS/Medicaid, says a user, also provides an audit feature that provides checks and balances with which the **manufacturer** can compare **rebate** amounts from previous quarters, and 'catch generic drug substitutions or any unit measure discrepancies.' Direct Radiology transferred all records from its older paper-based system to Matrix Global Advantage, and can create a query to **find** a 'faulty component if necessary and locate the component data in seconds rather than hours.' Belgian imaging systems leader Agfa-Gevaert uses Intra.doc management system to streamline compliance for scheduled audits. The document management system stores procedure and product information in a centralized repository that is Web browser-accessible.

COMPANY NAME: I-many (701122); MatrixOne Inc (648663); Stellant Inc (646261)  
SPECIAL FEATURE: Output Samples  
DESCRIPTORS: Government Regulations; Health Care Management; Health Insurance; Intranets; Pharmaceuticals  
REVISION DATE: 20020630

12/5/6

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

00115104 DOCUMENT TYPE: Review

PRODUCT NAMES: INSIGHT Windows NT (748897)

TITLE: Enigma's Insight publishes large document collections to various...  
AUTHOR: Medina, Richard Fenner, Joe  
SOURCE: KM World, v8 n2 p32(1) Feb 1999  
ISSN: 1060-894X  
HOMEPAGE: <http://www.KMonline.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

Enigma's Insight, an electronic publishing solution, assists organizations in publishing large document collections that are accessible to users via LANs, the Internet, intranets, or CDs. The documents are easily navigated and searched, and the software's document database and publishing components run on Windows NT. LAN and CD client applications run under Windows NT Workstation, Windows 95, and Windows 3.x. The software **reduces** the **expense** of publishing by jettisoning the need for paper and reprinting. Insight is therefore an economical method for sharing corporate document collections. This technique is a good choice for organizations that want to be able to publish documents as part of a knowledge management and information sharing plan. With Insight's wizards, creating electronic documents is easy. Administrators merely choose source documents to publish and define search fields for particular topics. Insight can then automatically analyze source documents, **identify** structure, build rules for indexing, and define rules for creation of the table of contents and hyperlinks. Three separate interfaces for publishing are provided: **Creator**, which defines the database structure and search topic for a document collection type and configures navigation and formatting limitations; Administrator, for managing content and updates, and creation of new hyperlinks, hot spots, and multimedia links; and Designer, which allows full configuration of the user environment. All three provide wizards that ease the process.

PRICE: \$7500

COMPANY NAME: Enigma Inc (628913)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: CD-ROMs; Document Management; Electronic Publishing; IBM PC & Compatibles; Internet Utilities; Intranets; LANs; Network Software; Windows; Windows NT/2000  
REVISION DATE: 20000830

12/5/7

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00110481 DOCUMENT TYPE: Review

PRODUCT NAMES: Advertising (830992)

TITLE: Zapotec Zaps Co-Op Blues  
AUTHOR: Jastrow, David  
SOURCE: CRN, v792 p41(2) Jun 8, 1998  
ISSN: 0893-8377  
HOMEPAGE: <http://www.crn.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Zapotec Software's Co-Op Easy, a co-op management application, assists retailers and distributors in coordinating, monitoring, and claiming all co-op marketing money available from **manufacturers**. Co-op funding, volume **rebates**, and spiffs can become very disorganized and muddled, although these funds are meant to assist value-added resellers and retailers in increasing the size of marketing budgets. Claims generally are processed manually and then entered in a spreadsheet, a method that does not provide optimal automation. Co-Op Easy, says a user (a wireless telecommunications distributor) has allowed the company to increase its cash flow and be aware at any given time of the full quantity of co-op funds available. The funds are visible from one location, so that the firm saves processing resources and speeds claims processing, to enhance customer service. Zapotec's co-**founder** and president says Co-Op Easy allows users to generate a precise claim for reimbursed dollars, and that various value-added resellers (VARs) are interested in reselling the suite to retail customers. Promotional allowances from **manufacturers** rose 5.6 percent in 1997 to \$33 billion, says a company that assists VARs in deploying marketing programs using co-op funds.

COMPANY NAME: Vendor Independent (999999)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Advertising; Internet Marketing; Marketing Information;  
Retailers; Software Marketing  
REVISION DATE: 20020124

12/5/8

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

00107622 DOCUMENT TYPE: Review

PRODUCT NAMES: Online Stock Trading (837407)

TITLE: **Equity Auction Seeks Better Prices**  
AUTHOR: Epstein, Chuck  
SOURCE: Wall Street & Technology, v16 n2 p58(2) Feb 1998  
ISSN: 1060-989X  
HOMEPAGE: <http://www.wallstreetandtech.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Christopher Keith's Financial Auction Network (FAN), a versatile Internet-based system, runs on Windows PCs to allow price improvement by exposing retail orders to a large number of traders on the system. Among participants are retail broker/dealers, buy-side institutions, over-the-counter (OTC) market **makers**, and exchange specialists who want to adhere to the Security and Exchange Commission's (SEC's) new order handling rules on maximum order exposure. FAN creates an online auction so that institutions, brokers, and **discount** traders can directly interact in an 'electronic crowd.' Other participants could be electronic equity crossing networks, including POSIT and the Arizona Stock Exchange, Instinet, and other electronic communications networks. Firms and traders running Windows can gain access to the FAN system in one part of the screen, without interfering with other trading and brokerage activities. FAN users will have all the time and location benefits that New York Stock Exchange specialists and market **makers** have as regards seeing customer price, size, and other important trading information. FAN competes with many systems, but has some advantages. A critical benefit is trade pricing at the moment of execution, not when entered. Another advantage is use of intelligent agents, or Electronic Liquidity **Finders**, that **find** counterparties anywhere inside the FAN system on behalf of the owner.

COMPANY NAME: Vendor Independent (999999)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Internet Marketing; Online Stock Trading; Order Fulfillment;  
Securities; Stock Brokers; Stock Market; Windows

REVISION DATE: 20020630



15/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00122107 DOCUMENT TYPE: Review

PRODUCT NAMES: coolsavings.com (769461); e-centives (675211); dash  
(789224); Mercata.com (789151); MobShop.com (789178)

TITLE: Shop and Earn: Online merchants want your business--and they're...  
AUTHOR: Yurko, Chris  
SOURCE: FamilyPC, p90(2) Feb 2000  
ISSN: 1076-7754  
HOMEPAGE: <http://www.family.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Many World Wide Web sites are highlighted that 'pay' users to shop. Online coupons are far and away the most popular incentive program on the Internet and are implemented either as e-coupons applied directly to purchases made on the Web or as coupons that people can print and redeem at brick-and-mortar stores in their local areas. Each coupon has a specific method for delivery. Some, including ValuePass and CoolSavings, require the user to download a coupon manager to the desktop. Value-mail, on the other hand, e-mails participants between 30 and 40 coupons every two or three weeks either in HTML format or text-only. e-centives does not offer its own coupons but directs users to special deals offered by member merchants. dash, a rebate site, requires users to download a Dash toolbar to earn between 1 and 50 percent of purchase prices at participating dash stores, but dash will only mail a check if the rebate is \$20 or more. GotSavings tracks **manufacturers' rebates**, and Mercata and Accompany (now MobShop) allow users to bulk-buy on the Internet. As the number of people who sign on to buy a product rises, the price drops. For instance, one group of 41 people was able to reduce the price of the Palm III from \$249 to \$139.95. Point system sites include FreeRide, PointClick.com, and CyberGold.

COMPANY NAME: CoolSavings.com Inc (667633); e-centives Inc (636355);  
dash (670766); Mercata Inc (674559); MobShop Inc (674273)  
DESCRIPTORS: Families; Internet Shopping  
REVISION DATE: 20000430

15/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00113458 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Windows NT (347973); Microsoft Word 97 (005571)  
; Lotus Word Pro (559512); Adobe PageMill (579645); Claris Home Page 3.0  
(626708)

TITLE: Inner Beauties: Lovely to look at, delightful to use, intranets...  
AUTHOR: Esterson, Emily  
SOURCE: Inc., v20 n17 p78(7) Dec 1998  
ISSN: 0162-8968  
HOMEPAGE: <http://www.inc.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Microsoft's Microsoft Windows NT and Microsoft Word 97, Lotus Word Pro, Adobe Systems' Adobe PageMill, and FileMaker's Claris Home Page 3.0 are mentioned in a discussion of the value of intranets for improving company communication. A case in point is the experience of Michael Spehn, the

owner of a Children's Orchard franchise. All franchisees of the retail chain have to work continuously against time and competing children's **discount** stores to acquire **manufacturers** ' toy and clothing overstocks. Spehn, who is also a regional manager for the company, has to inform all franchisees of available goods. He uses an intranet to alert franchisees in his region to offers of new products and about product recalls. An intranet, or a Web site constructed behind a company's firewall, uses the same communications protocols as the Internet and the same hypertext links. For most companies with a small number of users, the system can be based on a Windows NT server with TCP/IP and Web server software. Employees can create Hypertext Markup Language (HTML) documents using Word 97, WordPro, and WordPerfect Suite 7. Companies with larger sites can use Microsoft's FrontPage, Adobe PageMill, or FileMaker's HomePage 3.0. Spehn's site, called Z-Link, is hosted by an Internet service provider (ISP) and is updated at least once a week.

COMPANY NAME: Microsoft Corp (112127); Lotus Software an IBM Software Group (314323); Adobe Systems Inc (394173); FileMaker Inc (422789)  
SPECIAL FEATURE: Charts  
DESCRIPTORS: Apparel Industry; Conferencing; Internet Utilities; Intranets ; Microsoft Word; Retailers; Windows NT/2000; Word Processing  
REVISION DATE: 20020227

15/5/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00106157 DOCUMENT TYPE: Review

PRODUCT NAMES: Commerce Extensibility Framework (686743); Payment Server 1.0 (686751); Deal Promotion (686778); Deduction Management (686794)

TITLE: ERP Makers Target Commerce  
AUTHOR: Gray, Lloyd Kerstetter, Jim  
SOURCE: PC Week, v15 n10 p15(1) Mar 9, 1998  
ISSN: 0740-1604

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Internet World in Los Angeles will be the forum for the announcement of new Java products for enterprise application developers such as IBM's Commerce Extensibility Framework and Oracle's products: Payment Server 1.0, Deal Promotion, Trade Promotion Management, and Deduction Management. IBM's Commerce Extensibility Framework is a set of Java objects that integrate the IBM Net.Commerce e-commerce server with back-end enterprise-level applications. Oracle's Payment Server 1.0 is a Java cartridge that is used on Oracle's Web Application Server 3.0. Payment Server integrates Oracle's Commerce Server with Oracle applications. Payment Server offers security for payments in the form of Secure Sockets Layer (SSL) and Secure Electronic Transaction (SET) protocols. A set of APIs enable the product to be linked to other applications. It also includes configurable payment routing. Deal Promotion is geared for use by manufacturers and retailers to work out issues related to planning, forecasting, and replenishment. Trade Promotion Management is aimed at sales reps and **manufacturers**. Deduction Management is for tracking **price deductions** offered by **manufacturers** to retailers. The Baan Company will also introduce applications for e-commerce, and several vendors are adding e-commerce to their ERP products.

COMPANY NAME: IBM Corp (351245); Oracle Corp (010740)  
SPECIAL FEATURE: Charts  
DESCRIPTORS: Enterprise Resource Planning; Internet Marketing; Manufacturing; Order Fulfillment; Retailers; Sales Force Automation; Web Servers  
REVISION DATE: 20020630

15/5/4

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00081121 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Windows 95 (551473); Microsoft Windows 95  
(740896)

TITLE: Windows 95 sparks coupon mania

AUTHOR: Lanctot, Roger C

SOURCE: Computer Retail Week, v106 p1(2) Jul 3, 1995

ISSN: 1066-7598

HOME PAGE: <http://www.crw.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

The impending release of Microsoft's Windows 95 operating system has triggered a retail frenzy. Hoping to overcome a sluggish summer season, Packard Bell and Compaq offered a coupon for free Windows 95 upgrades to buyers of their systems. The computer makers were among the first **manufacturers** to offer Windows 95 **coupons**. Retailers are also getting in on the act. OfficeMax was the first retailer to include Windows 95 in their advertising, with a June newspaper ad that announced the free Windows 95 deal. Not all OfficeMax locations had the coupons on display, however, and so far, no other retailers have announced plans to follow OfficeMax's lead. Some other PC makers are close to offering similar Windows 95 upgrade deals, but are unable to make any announcements until they have signed contracts with Microsoft.

COMPANY NAME: Microsoft Corp (112127)

DESCRIPTORS: IBM PC & Compatibles; Operating Systems; Software Marketing;  
Windows

REVISION DATE: 19990430

15/5/5

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00063696 DOCUMENT TYPE: Review

PRODUCT NAMES: In Your Face 4.0 (502618)

TITLE: In Your Face Makes You a Star--Okay, A Screen Saver

AUTHOR: Rohan, Rebecca

SOURCE: Computer Shopper, v14 n5 p767(1) May 1994

ISSN: 0886-0556

HOME PAGE: <http://www.computershopper.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

In Your Face 4.0 is a customizable screen saver for PC users with DOS 3.1 or Windows 3.1. It is almost as sophisticated as a presentation program, but remains easy to use. Sights and sounds (in WAV files if you have a sound card) can be imported into the program to create a personalized screen saver. BMP, DIB, and RLE files are provided, and the **manufacturer** offers a **discount** for scanning users' photographs. Many aspects of the screen saver can be specified, such as location and timing, color, fonts, text, passwords, and transition effects of various kinds.

PRICE: \$35

COMPANY NAME: Hilsoft (582433)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: IBM PC & Compatibles; MS-DOS; Screen Utilities; System  
Utilities; Windows  
REVISION DATE: 19940730

17/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00122592 DOCUMENT TYPE: Review

PRODUCT NAMES: eMarketer (794961); mySimon (755141)

TITLE: Gift Shopping: Half Pain, Half Delight

AUTHOR: Bort, Julie

SOURCE: MicroTimes, v203 p54(2) Feb 1, 2000

HOME PAGE: <http://www.microtimes.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

E-shoppers can realize significant savings on gift purchases made online by utilizing free gift certificates, shipping deals, and wrapping services offered by e-tailers. According to eMarketer, in 1999 one in three online buyers was a first-time e-commerce user, spending an average of \$219 online. Shippers such as FedEx, UPS, and the U.S. Postal Service profit most from increased e-commerce, almost doubling the per-gift cost. Free gift certificates reduce overall costs. In December 1999, eToys.com offered purchasers of more than \$75 a \$10 certificate from baby-Gap.com. Many retailers require sizable purchases to qualify for these offers so shopping bots, or shopping-specific search engines, serve as an excellent source. Online shoppers need to beware of the double-shipping whammy over wrapping, in which they pay shipping charges to themselves in order to wrap the gift and then pay more in shipping the gift to the recipient. But wrapping is a moneymaker for online merchants and all too often, sites hide information about gift wrap until the last screen. Cooking.com offered not only a gift certificate for free shipping with orders over \$35, it offered a **discount** on wrapping, with each package **after** the first costing only \$1 each. Yet this site was the source of the most annoying experience, representing the downside of online shopping. Site bugginess, in addition to high prices for shipping and wrapping services, shipping damages, and mishandled orders, remain issues facing online shoppers.

COMPANY NAME: eMarketer (677078); mySimon Inc (663719)

DESCRIPTORS: Internet Shopping; Retailers

REVISION DATE: 20000530

17/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

00122584 DOCUMENT TYPE: Review

PRODUCT NAMES: smartshop.com (794643); iChoose (794651); ebates (772798)

TITLE: online shopping in the year 2000

AUTHOR: Grunin, Lori

SOURCE: Computer Shopper, v20 n2 p102(4) Feb 2000

ISSN: 0886-0556

HOME PAGE: <http://www.computershopper.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

This overview of online shopping cites numerous bot- and portal-based engines to highlight the current complexity and plethora of shopbots. Deal's Deal of Day aggregates all information on merchant special offers available online and should serve as the beginning point of anyone's online shopping experience. smartshop.com represents merchants merging

price-focused shopping with new user- preference schemes, theoretically finding the lowest total cost on specific products among affiliate merchants. Unfortunately, inaccuracies in price, tax, and shipping costs or availability seriously impact the value of this type of shopping agent. iChoose exemplifies a shopping agent that offers the convenience of a single wallet system. Shopping sites offering **rebate** schemes **based on** shopping habits include ebates.com and PointClick.com. These online shopping agents best serve shoppers seeking a particular store, brand, or product, not those who need sales or service advice. Mid-market, full-service sites such as GetPlugged.com offer buying advice with other services. Bargain hunters can choose NexTag or online outlet stores such as Bluefly and Brandmania, which simulate the factory-warehouse stores dotting the suburban landscape, are perfect for shoppers who thrill to serious price discounts. The Web also hosts sites such as Kosmo.com or Urbanfetch.com, which offer free delivery within a specified time period for a limited selection of products.

COMPANY NAME: smartshop.com (677418); iChoose Inc (677426); ebates.com (668842)

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Internet Shopping; Portals; Software Agents

REVISION DATE: 20010430

17/5/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00121956

DOCUMENT TYPE: Review

PRODUCT NAMES: TurboTax for the Web (705071)

TITLE: Intuit May Find Web Taxing: Revenue stream could be upset as upsta...

AUTHOR: Weisul, Kimberly

SOURCE: Interactive Week, v7 n3 p68(1) Jan 24, 2000

ISSN: 1078-7259

HOMEPAGE: <http://www.interactive-week.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Intuit's TurboTax for the Web, an important component of Intuit's strategy for becoming an online provider rather than a vendor strictly of off-the-shelf products, helped Intuit's Internet projects generate 19 percent of sales, or approximately \$31 million in 1999. Quicken now represents only about 15 percent of Intuit's revenue, with the remainder coming from tax preparation tools. Because the Internal Revenue Service wants 80 percent of the population to file electronically by 2007, online vendors of tax preparation products are well-positioned to benefit from the trend. The IRS has also announced plans to reward electronic filers with a \$10 tax credit, while phone filers would be entitled to a \$5 credit. In 1999, Intuit sold 4.2 million TurboTax packages for the desktop, for which users generally paid about \$10 per package **after rebates**. Therefore, Internet filers are likely to pay more for TurboTax for the Web, which will cost \$9.95 per federal return and another \$9.95 for each state return. If Intuit can convince all Quicken users to use TurboTax for the Web and is thereby able to retain its market share, TurboTax for the World Wide Web will provide \$18 million in revenues for 2000. This is a hopeful estimate because high-quality TaxWorks free software will be available from H.D. Vest Technology Services, a group of tax preparers and financial advisory professionals, and H&R Block charges only \$4.95 for state forms. According to the founder and CEO of H.D. Vest, and to the project manager for TurboTax on the Web, branding is paramount in the online tax industry.

COMPANY NAME: Intuit Inc (447013)

SPECIAL FEATURE: Graphs

DESCRIPTORS: Income Tax; Tax E-Filing; Tax Return Preparation  
REVISION DATE: 20010930

17/5/4

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00112830 DOCUMENT TYPE: Review

PRODUCT NAMES: Software Marketing (833959); Accounting (830019)

TITLE: Four VAR Success Stories  
AUTHOR: Kahan, Stuart  
SOURCE: Practical Accountant, v31 n10 p57(6) Oct 1998  
ISSN: 0032-6321  
HOMEPAGE: <http://www.electronicaccountant.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

A number of successful value-added reseller (VAR) programs targeted at accountants are combining accounting services, technology expertise, and strategic consulting services to better service the accounting industry. Many new programs are offering not only more services for accountants, but providing ways for accounting offices to eliminate paper waste, as well. Additionally, these new VAR programs are beginning to include Internet-based training programs, sales automation support, and a wide variety of discount pricing plans. One VAR program provides up to a 50 percent discount based on the accountant's own sales levels, and another provides a wealth of scheduled certification and training programs aimed at accountants.

COMPANY NAME: Vendor Independent (999999)  
SPECIAL FEATURE: Buyers Guides Charts  
DESCRIPTORS: Accountants; Accounting; Software Marketing; Training  
REVISION DATE: 19990330

17/5/5

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00105848 DOCUMENT TYPE: Review

PRODUCT NAMES: Y2K (836567)

TITLE: Legal Exposure: Y2K bristles with all kinds of potential for litig...  
AUTHOR: Hock, Steven L  
SOURCE: Software Magazine, v18 n2 p51(4) Jan 15, 1998  
ISSN: 0897-8085  
HOMEPAGE: <http://www.softwaremagazine.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

The year 2000 software crisis has gained a great deal of attention, and corporations have begun sorting out the many issues involved in meeting the challenge. Repairs will cost billions of dollars, and companies must start working on the problem now if they have not already. A company that waits risks its very business, and there is no technological quick fix to the problem. Some companies will fail to solve the problem, and the cost of failure will be very high. Business will be disrupted, and there may be liabilities to third parties involved as a result of system failures. There are numerous legal issues associated with the problem, which makes it

essential that top management become involved in leading the way to addressing the problem. There are also some complicated tax issues involved. The preferable treatment would be a current-year tax deduction for costs, as opposed to capitalization and amortization. However, in order to **qualify** for being tax- **deductible** , the **expenses** would have to **qualify** as research and development costs for self-developed property. Contracts with third parties must also be considered, and outsourcing may be one effective way to defray some year 2000 costs.

COMPANY NAME: Vendor Independent (999999)  
DESCRIPTORS: IT Management; Legal; Project Management; Y2K (Year 2000)  
REVISION DATE: 20010130

17/5/6

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00101641 DOCUMENT TYPE: Review

PRODUCT NAMES: Motion Editor (663018); N World (651761); Motion Transform (664979)

TITLE: Buying Motion  
AUTHOR: Vincenzi, Lisa  
SOURCE: Computer Graphics World, v20 n4 p51(5) Apr 1997  
ISSN: 0271-4159  
HOMEPAGE: <http://www.cgw.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Adaptive Optics Associates' Motion Editor, Nichimen's N World, and MediaLab's Clovis PA and Character Link are products highlighted in a discussion of increased access to motion capture via motion capture service bureaus. All of the studios mentioned will travel to a user's location to provide motion capture support. Cost is based on the particular job and the bureau's rates, because the cost of a shoot is extremely variable. However, BioVision and ElektraShock did discuss cost; BioVision charges \$2,400 a day for studio time and processing costs \$1,400 per man day, with a **reduction** in **rate** to \$1,000 per day **after** 20 hours. ElektraShock charges \$2,000 per day for shooting, which pays for about 30 to 40 moves. Users should also assess the company's ability to provide clean data that plugs into a 3D program, and its ability to manage inconsistencies between the size of the actor and the CG character to be generated. ElektraShock uses Motion Editor to generate a skeleton, and the output can be scaled to fit a CG character's body using Nichmen's Motion Transform software. Coordinates can be scaled to each point to match the proportions of models. MediaLab uses Clovis PA animation software to control lighting, virtual camera angles, color textures, soundtrack synchronization, and background integration. Character Link software is under development to create characters for performance animation.

COMPANY NAME: Adaptive Optics Associates Inc (678813); Nichimen Graphics Inc (627844)  
SPECIAL FEATURE: Output Samples Charts  
DESCRIPTORS: Animation; Digital Video; Entertainment Industry; Graphics Tools; Image Processing; Motion Capture  
REVISION DATE: 20020630

17/5/7

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00101505 DOCUMENT TYPE: Review



PRODUCT NAMES: ETrade (661546); Schwab Now! (661554)

TITLE: Schwab, E\*Trade In Online Face-off

AUTHOR: Whitestone, Randy

SOURCE: Interactive Week, v4 n17 p45(1) May 26, 1997

ISSN: 1078-7259

HOMEPAGE: <http://www.interactive-week.com>

RECORD TYPE: Review

REVIEW TYPE: Product Comparison

GRADE: Product Comparison, No Rating

ETrade Securities' ETrade and Charles Schwab's Schwab Now!, two online stock trading services, can both grow, says an analyst, because of the significant size of the market. Schwab is a larger company, and E\*Trade is the interloper, but both can be considered winners if they get the quantity of the market they need. E\*Trade was only a concept a few years ago, but became a fast-growing self- **discount** broker **after** launching a successful 'boot your broker' national advertising campaign. Schwab, a leader in the move away from full-service, full commission brokers toward a low-priced no frills brokerage, also intends to garner market share among Internet-based investors. Schwab Now! and eSchwab provide online news, statistics, trading, and research tools, in addition to Schwab's StreetSmart Windows-based software. Schwab is gaining significant market share, since about 749,000 of its 4.2 million accounts used online services in the past year, which represents \$50 billion of Schwab's \$276.6 billion in account assets. ETrade reports an account base for the same period of 145,000, with assets of \$4.1 billion. Among other players in the market is PC Financial Network, which is owned by Donaldson Lufkin & Jenrette Securities. PCFN is second after Schwab with about 300,00 accounts, and Quick & Reilly and Ameritrade Holding have more than 50,000 accounts.

COMPANY NAME: E\*TRADE Group Inc (621376); Charles Schwab & Co Inc (394955)

SPECIAL FEATURE: Graphs

DESCRIPTORS: Internet; Internet Marketing; Securities; Software Marketing; Stock Brokers; Stock Market

REVISION DATE: 20010930

17/5/8

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00091616 DOCUMENT TYPE: Review

PRODUCT NAMES: Company--America Online Inc (854468)

TITLE: AOL Slows Growth In Face Of Customer Churn

AUTHOR: Vonder Haar, Steven

SOURCE: Interactive Week, v3 n10 p16(1) May 20, 1996

ISSN: 1078-7259

HOMEPAGE: <http://www.interactive-week.com>

RECORD TYPE: Review

REVIEW TYPE: Company

America Online, which added 1.7 million new subscribers during the last six months, will add about 500,000 new subscribers by June 30, 1996, but will then back off marketing efforts while AOL's and GNN's on-screen look-and-feel are enhanced. AOL will also focus on expansion of its communications network and upgrading customer service operations to get ready for a big promotion in Fall 1996. AOL has not had problems signing up first time users for the online service, but retaining its membership has been more of a problem. To counter members' tendency to stop using AOL, AOL announced volume pricing that allows 20 hours online for \$19.95 per month. The **price break** also came **after** CompuServe's announced its low-cost WOW! service. Although the lower prices will probably reduce AOL's per

subscriber revenue to about \$15.00/month from \$18.72/month, the expansion of the AOLnet communications network could make up the difference.

COMPANY NAME: America Online Inc (461857)  
DESCRIPTORS: BBS (Bulletin Board Systems); ISP (Internet Service Providers); Software Marketing  
REVISION DATE: 20020703

17/5/9

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00075813 DOCUMENT TYPE: Review

PRODUCT NAMES: AccuMail 3.2 (228753); MAILER'S+4 2.30 (525707); StarData Geocoder 1.0 (555061)

TITLE: ZIP+4s for postal savings  
AUTHOR: Yoder, Thomas N  
SOURCE: Business Geographics, v3 n3 p38(4) Mar 1995  
ISSN: 1067-456X  
HOMEPAGE: <http://www.bg.geoplace.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Pre-processing bulk mailings can save money by qualifying for postal discounts. To gain a postal discount, each address on the mailing list must conform with the U.S. Postal Service national database of deliverable street addresses. Three software packages are available to provide this standardization: Group 1 Software's AccuMail 3.2, Mailer's Software's MAILER'S+4 2.30, and Qualitative Marketing Software's StarData Geocoder 1.0. All Windows applications are easy to use and similar in their functionality. AccuMail and MAILER'S+4 are both Coding Accuracy Support System (CASS) certified, and StarData is undergoing certification. Users of a CASS system **qualify** for a CASS **discount**. MAILER'S+4 can provide more discounts by presorting and bar coding. All products will identify an address that cannot be matched in the USPS database.

COMPANY NAME: Datatech SmartSoft (647462); MAILER's Software (574643); Sagent Technology Inc (602655)  
DESCRIPTORS: List Processing; Mailing Lists; Mapping; ZIP Codes  
REVISION DATE: 20010830

17/5/10

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00073256 DOCUMENT TYPE: Review

PRODUCT NAMES: Sybase SQL Server 4.2 (695017); Forest & Trees (221724); Oracle 7 (004233); NetWare (699683)

TITLE: A Migration Success Story  
AUTHOR: Bolt, Robert C  
SOURCE: DBMS, v8 n1 p96(3) Jan 1995  
ISSN: 1041-5173  
HOMEPAGE: <http://www.dbmsmag.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Rational Software Corporation's experience implementing client/server technology illustrates how they **reduced** potential **expenses** and

problems. **After** outlining an initial plan, the company started with a pilot client/server project that did not require a large investment. The decision-support pilot project utilized Sybase SQL Server 4.2 on NetWare. End-users previously had difficulty accessing accounting data. This information was transferred from the proprietary minicomputer to the decision support server. Trinzic's Forest & Trees was used to build an application to provide end-users with access to decision support data. The company's current platforms include two Solaris servers and two NetWare servers running an Oracle 7 RDBMS, and one NetWare and one SunOS server running Sybase SQL Server.

COMPANY NAME: Sybase Inc (414981); Computer Associates International Inc (081957); Oracle Corp (010740); Novell Inc (344893)  
SPECIAL FEATURE: Charts  
DESCRIPTORS: Client/server; Database Management; Decision Support Systems; Information Retrieval; LANs; NetWare; Network Software; Oracle; Report Generators; Solaris; SQL Server; Sun  
REVISION DATE: 20010330

17/5/11

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00067265 DOCUMENT TYPE: Review

PRODUCT NAMES: Digital Film Deluxe 1.5 (421146)

TITLE: DigitalFilm Deluxe 1.5  
AUTHOR: Negrino, Tom  
SOURCE: Digital Video Magazine, v2 n5 p18(3) Jun 1994  
ISSN: 1075-251X  
HOMEPAGE: <http://www.dv.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

SuperMac Technologies's Digital Film Deluxe 1.5 provides full-frame and motion, 60 field per second digitized video. The hardware is much the same as the previous version, but the software has been upgraded to boost the board's performance. Setup is simple. After installing the board and attaching the cables, software installation is largely automatic. The software is installed by dragging files to the System Folder. Digital Film movies can be incorporated into HyperCard and SuperCard stacks. Besides the driver software, SuperMac includes Adobe Premiere, CoSA's **After** Effects, and a **coupon** for Macromedia Director. Good captures can be produced when recording at half-size. To record full-frame video without dropped frames, a very fast disk array, plenty of RAM, and a Quadra 840AV are required. For half-frame captures, a Quadra 650 will be sufficient.

PRICE: \$3799

COMPANY NAME: Media 100 Inc (624853)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Animation; Apple Macintosh; Digital Video; Graphics Tools; MacOS; Video Frame Grabbers  
REVISION DATE: 20010730

18/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01742104 DOCUMENT TYPE: Product

**PRODUCT NAME: PurchasingNet-SQL 3.02 (742104)**

PurchasingNet Inc (409103)  
125 Half Mile Rd PO Box 480  
Lincroft, NJ 07738 United States  
TELEPHONE: (732) 946-8844

RECORD TYPE: Directory

CONTACT: Sales Department

PurchasingNet-SQL 3.02 is Web-based procurement software that includes eCatalog Management. workflow, and user profiles; requisitioning and direct ordering; purchasing and receiving; two-way/three-way invoice matching option; optional multisite inventory control; budgeting (optional); browser independence (Microsoft or Netscape Communications); and the ability to interface with enterprise resource planning (ERP) and other legacy systems. Components include an intranet Web server, Task server, Database server, optional application file server and Simple Mail Transfer Protocol (SMTP) mail server; Windows clients; and browser clients. Web-based procurement saves money by reducing maverick buying; supporting contract negotiation based on repetitive purchase history; reducing IT support costs by using published catalogs of approved items only; reducing procurement lead time by 90 percent; reduction of end-to-end purchasing transaction costs by 80 percent; ensuring proper approvals on POs and requisitions; **reduction** of error **rate** on paper-based processes by 95 percent; automation of invoice matching; ensuring proper cost allocation to G/L and cost centers; and by providing current order status using self-service technology. PurchasingNet-SQL 3.02 is an enterprise purchasing and requisitioning system that includes intranet and extranet components. It is designed for mid- to large-sized purchasing environments, and can use any browser or Windows 95/98/NT client. American Tech, the vendor of PurchasingNet-SQL 3.02, also provides the following services: catalog management; process mapping; World Wide Web site hosting; software customization; integration with legacy systems; and project management.

DESCRIPTORS: Purchasing; Purchase Orders; E-Commerce; Client/server;  
Intranets; Web Servers; Catalogs; Order Fulfillment; Internet Utilities  
; Network Servers

HARDWARE: Hardware Independent; IBM PC & Compatibles; UNIX; Thin Clients;  
Apple Macintosh; Pentium

OPERATING SYSTEM: Windows NT/2000; Windows; UNIX; Open Systems; MacOS;  
Netscape; Internet Explorer

PROGRAM LANGUAGES: SQL; HTML

TYPE OF PRODUCT: Mini; Micro; Workstation

POTENTIAL USERS: Cross Industry

DATE OF RELEASE: 01/97

PRICE: \$100,000 to \$500,000; Internet demo available; annual support - 20  
percent of price

NUMBER OF INSTALLATIONS: 22

TRAINING AVAILABLE: Training; on-site training; training at vendor  
location; telephone support; technical support; support contracts  
available; Internet support; seminars

OTHER REQUIREMENTS: 64MB+ - server, 16MB - client RAM; Pentium+ CPU;  
100MB+ server disk space

SERVICES AVAILABLE: Consulting

REVISION DATE: 990729

18/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00120808 DOCUMENT TYPE: Review

PRODUCT NAMES: iLux Suite 2000 (762776)

TITLE: iLux personalizes your site to build profits: Analyses, customized...

AUTHOR: Heck, Mike

SOURCE: InfoWorld, v21 n51 p44(1) Dec 20, 1999

ISSN: 0199-6649

HOME PAGE: <http://www.infoworld.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: B

iLux's iLux Suite 2000, a World Wide Web analysis package, gets very good marks overall, especially for the ability to collect data from site visits and corporate databases, in-depth data mining, personalization features for targeting product offerings and marketing messages to individual visitors, and many electronic advertising tools. However, integration of all features requires the help of IT or consultants. iLux 2000 does deep analysis on site visitors' actions and captures online traffic. The Campaign Manager feature allows the user to define, schedule, deliver, and monitor targeted advertising using e-mail, dynamic banners, e-coupons, and pop-up billboards. iLux 2000 Enterprise assists in constructing a particularized profile to meet each site visitor's needs, an ability that can increase customer allegiance and increase sales. iLux 2000 Enterprise is more economical and provides more customization features than such high-end products as RightPoint Real-Time Marketing Suite, which has less powerful campaign construction features. Components include the iLux Server software, which manages database interactions, and two client applications, iLux Enterprise Engineer and iLux Campaign Engineer. Testers easily installed the client components, but installation of the engineering packages requires assistance.

COMPANY NAME: iLux Corp (542105)

SPECIAL FEATURE: Charts Screen Layouts

DESCRIPTORS: Internet Marketing; Internet Traffic Analysis; Network Administration; Performance Monitors; System Monitoring; System Performance; Web Servers; Webmasters

REVISION DATE: 20020630

18/5/3

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00119224 DOCUMENT TYPE: Review

PRODUCT NAMES: Ultraprise (774162)

TITLE: Ultraprise: The Matchmaker

AUTHOR: Halper, Mark

SOURCE: Business 2.0, p96(3) Sep 1999

ISSN: 1080-2681

HOME PAGE: <http://www.business2.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Ultraprise's namesake Web site, which acts as a liaison between banks that originate mortgages and banks that buy mortgages, serves the secondary mortgage market by providing information that assists buyers in locating the type of loans they want to buy. Some buyers, for example, may want a

bundle of loans with especially risky credit ratings, since these loans have higher interest rates and can be more profitable. Ultraprise also has access to information that tells buyers whether or not an early payoff is likely. Sellers post information on the Ultraprise site that assists buyers in analyzing the content of the loan packages. For instance, if one loan in a pool of 10 falls way outside the buyer's limits, the buyer can ask that it be excluded from the pool. Having such information could help the seller make more money. An originator may not get a good price if only three or four buyers are interested, but in a more crowded market, one buyer may be willing to pay a premium. Rather than charging percentage-based fees, as competitor Pedestal Capital does, Ultraprise charges a flat fee of \$75 per sale for home-buyer loans and \$60 for **second** mortgages. Membership **fees** have been **reduced** by waiving an annual membership charge if a member trades over \$100 million in loans in one year, and a sign-up fee has been waived until the end of 1999. Providers such as Ultraprise and Pedestal may require the cooperation of traditional mortgage brokers to survive.

COMPANY NAME: Ultraprise Corp (669474)

SPECIAL FEATURE: Charts

DESCRIPTORS: Banks; Internet Shopping; Mortgages; Personal Finance; Real Estate Investment

REVISION DATE: 20010330

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S10	0	(S2(3N)S3)(10N)(S5(3N)S6)
S11	0	(S2(3N)S3)(S)(S5(3N)S6)
S12	0	(S2(3N)S3) AND (S5(3N)S6)
S13	18	S2(10N)(S5(3N)S6)
S14	18	RD (unique items)
S15	1680	S2(5N)S6
S16	15	(S2(3N)S3)(10N)S6
S17	15	RD (unique items)
S18	15	S17 NOT S14
S19	29	S15(10N)S5
S20	20	S19 NOT (S14 OR S18)
S21	20	RD (unique items)
S22	2400	S2(5N)S7
S23	58	(S22(5N)S6) NOT (S14 OR S18 OR S21)
S24	52	S23 NOT PD>20000216
S25	51	RD (unique items)
S26	681	(S1 AND S2)(5N)S6
S27	146	S26(S)(S7 AND S8)
S28	130	S27 NOT (S14 OR S18 OR S21 OR S23) NOT PD>20000216
S29	33	(S2(5N)S3)(10N)S7
S30	25	(S29 NOT (S14 OR S18 OR S21 OR S23)) NOT PD>20000216
S31	24	RD (unique items)
S32	1436837	REBATE? OR INCENTIVE? OR REWARD? ? OR LOYALTY()POINTS OR MOTIVAT? OR PERKS OR PERQUISIT? OR BONUS? OR INDUCE? OR INDUCI-

NG OR ENTICE? OR ENTICING OR PERSUAS? OR STIMUL? OR INFLUENCE?  
 OR SWAY? OR INVIT? OR TEMPT?  
 S33 0 (S32(3N)S3)(10N)(S5(3N)S6)  
 S34 38 (S32(3N)S3)(10N)S6  
 S35 31 S34 NOT PD>20000216  
 S36 31 RD (unique items)  
 S37 9535 (PURCHAS? OR BUY??? OR BOUGHT OR ORDER?)(2N)(INCENTIVE? OR  
 REWARD? ? OR LOYALTY()POINTS OR MOTIVAT? OR PERKS OR PERQUISITI?  
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 S38 1100 ((S3(2N)REBATE?) OR S37)(10N)(S5 OR S6 OR S7)  
 S39 155 ((S3(2N)REBATE?) OR S37)(5N)((S5 OR S7) AND S6)  
 S40 149 S39 NOT PD>20000216  
 S41 142 RD (unique items)  
 S42 2975 S37 NOT ORDER  
 S43 182 ((S3(2N)REBATE?) OR S42)(10N)(S5 OR S6 OR S7)  
 S44 20 ((S3(2N)REBATE?) OR S42)(5N)((S5 OR S7) AND S6)  
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14/5/1 (Item 1 from file: 35)  
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01528834 ORDER NO: AAD97-06842

**THREE ESSAYS ON CONTINUOUS-TIME FINANCE (INTEREST RATES, JUMP DIFFUSION)**

Author: FALLON, WILLIAM JOSEPH  
Degree: PH.D.  
Year: 1996  
Corporate Source/Institution: COLUMBIA UNIVERSITY (0054)  
Adviser: SURESH SUNDARESAN  
Source: VOLUME 57/09-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4061. 104 PAGES  
Descriptors: ECONOMICS, FINANCE  
Descriptor Codes: 0508

In the first chapter we study the empirical performance of ten short-rate diffusion models using the method of maximum likelihood on a general five parameter, time-homogenous, scalar diffusion that nests all of these models as special cases. Inasmuch as real processes are observed only at discrete points, conditional transition probabilities are needed for estimation and inference. In general, we use a numerical method to solve the Fokker-Planck equation for these probabilities.

Using a variety of performance metrics, we classify the ten diffusions into four mutually exclusive performance categories. We find that the quality of the models is directly related to their ability to fit the instantaneous diffusion function. Models which permit any type of heteroscedasticity perform far better than those that do not. Modeling of the mean, including mean reversion, is comparatively unimportant. However, within categories, we find significant evidence of mean reversion.

For models in our fourth category, we find no evidence of a structural break in the parameters in October, 1979, contradicting some earlier studies. However, general dynamic specification tests reveal weak evidence for virtually all of the models.

The second and third chapters study the implications of the jump-diffusion assumption on firm value in the **contingent** claims literature. The **second** chapter prices **discount** bonds in a one period framework when interest rates are non-stochastic. The third chapter prices coupon bonds with a standard stochastic term structure.

In both cases, we find that the influence of the jump component causes a flatter (and therefore perhaps more realistic) term structure of credit spreads, particularly for short maturities. Similarly, we find that the stronger the jump component, the less responsive is the credit spread to changes in firm leverage. For most other parameter assumptions, we find that incorporating a jump component does not significantly alter the behavior of the risky yield.

14/5/2 (Item 2 from file: 35)  
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01374693 ORDER NO: AAD94-27579

**THE VALUATION OF CORPORATE BONDS: THEORY AND EVIDENCE (CONTINGENT CLAIMS, DEFAULT RISK, OPTION PRICING)**

Author: MERRILL, CRAIG  
Degree: PH.D.  
Year: 1994  
Corporate Source/Institution: UNIVERSITY OF PENNSYLVANIA (0175)  
Supervisor: DAVID F. BABBEL  
Source: VOLUME 55/05-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1344. 104 PAGES  
Descriptors: ECONOMICS, FINANCE; ECONOMICS, THEORY  
Descriptor Codes: 0508; 0511

In this paper a contingent claims model of corporate debt is developed. The formulation of the model extends existing models in several ways. First, bond value calculations are **based on** easily observed

variables. **Second**, it facilitates valuation of **coupon** bearing securities issued by firms with complex capital structures. Third, it incorporates both stochastic interest rates and firm-specific default risk so that the interaction between these two sources of uncertainty can be studied in both the price and duration dimensions. Finally, it provides a test of the contingent claims pricing methodology. This model was shown to be an improvement over previous single factor models. However, it would appear that there are risks not being measured by this model that are being priced by the market. In general, the model was biased slightly high with the bias increasing at higher prices. However, the model does explain a very significant proportion of the variation in corporate bond prices.

14/5/3 (Item 3 from file: 35)  
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01318778 ORDER NO: AADMM-79046  
**THE EFFECTS OF LONG-TERM CROP ROTATION AND TILLAGE ON CORN GROWTH AND SELECTED SOIL PROPERTIES (ZEA MAYS)**  
Author: GREEN, B. SUE  
Degree: M.SC.  
Year: 1992  
Corporate Source/Institution: UNIVERSITY OF GUELPH (CANADA) (0081)  
Adviser: T. J. VYN  
Source: VOLUME 31/04 of MASTERS ABSTRACTS.  
PAGE 1620. 150 PAGES  
Descriptors: AGRICULTURE, AGRONOMY  
Descriptor Codes: 0285  
ISBN: 0-315-79046-6

A study was established in 1980 to evaluate the effect of various crop rotation and tillage combinations on corn growth and soil properties. This study reports on measurements made in years 11 and 12 of the study.

Enhanced early season corn growth following chisel plowed forage legumes, relative to corn in rotations without forage legumes was related to increased soil nitrate levels.

Rotations involving red clover underseeded to cereals resulted in higher organic matter content (0-15 cm) than corn rotated with either soybeans or barley. There were very few differences among rotations for bulk density, porosity, volumetric moisture content and penetration resistance in the surface 20 cm of soil. Based on nitrate measurements (0-30cm), two years of legumes in the rotation resulted in potential reductions of 100 kg ha<sup>-1</sup> in recommended N application rates for the succeeding corn crop, compared to corn grown continuously. Nitrogen application rates could be reduced up to 20 kg ha<sup>-1</sup> in the **second** year of corn **after** incorporation of a legume. Minimum tillage increased soil organic matter levels, reduced erosion, and provided comparable soil physical conditions and had comparable yields to conventional tillage. (Abstract shortened by UMI.)

14/5/4 (Item 4 from file: 35)  
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01143880 ORDER NO: AAD91-04243  
**THE EFFECTS OF SPEECH RATE REDUCTION IN PARKINSONIAN DYSARTHRIA**  
Author: HAMMEN, VICKI LYNN  
Degree: PH.D.  
Year: 1990  
Corporate Source/Institution: UNIVERSITY OF WASHINGTON (0250)  
Chairperson: FRED D. MINIFIE  
Source: VOLUME 51/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4304. 130 PAGES  
Descriptors: HEALTH SCIENCES, SPEECH PATHOLOGY  
Descriptor Codes: 0460

The purpose of this study was to: (1) investigate the effects of alterations of speech and pausal characteristics on the speech intelligibility of parkinsonian dysarthric talkers and, (2) examine the impact of speaking rate reduction on acoustic segment durations.

Parkinson's disease and normal control talkers were recorded while reading a paragraph at habitual and 60% of habitual speaking rates. Experiment one involved computer alteration of the durational characteristics of habitual speaking rate samples produced by parkinsonian talkers by inserting pauses, lengthening speech duration and a combination of pause insertion and speech duration lengthening. Speech intelligibility measures for the computer altered, habitual, and 60% of habitual speaking rate samples were obtained. No differences between the computer altered and habitual rate conditions were found. However, the 60% of habitual speaking rate condition was significantly more intelligible than either habitual rate or computer altered conditions.

The second experiment examined the consequences of speaking rate reduction on acoustical measures of speech time, pause time, stop closure duration, voice onset time, fricative duration, Formant two duration and slope of Formant 2 transition movement for parkinsonian and normal control talkers.

Although proportions of speech and pause time were not substantially different between the two groups at either speaking rate, the Parkinson's group used lesser amounts of speech time at habitual speaking rate as compared to normal controls. At 60% of habitual speaking rates, amounts of speech time for the Parkinson's group was essentially the same as the normal controls.

At habitual speaking rate, parkinsonian dysarthric talkers exhibited shorter segment durations than normal controls. When speaking rate was reduced to 60% of habitual, most acoustic segments produced by parkinsonian talkers approached those produced by normal controls at habitual speaking rate. These findings support the notion of "normalizing" some of the temporal acoustic characteristics of parkinsonian dysarthric speech as the result of **reducing speaking rate**.

A **second analysis based on** grouping by speech intelligibility scores revealed large intersubject variabilities across acoustic measures. The results suggest that both intelligibility level and speaking rate should be considered when documenting the speech characteristics of parkinsonian dysarthria.

14/5/5 (Item 5 from file: 35)  
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953060 ORDER NO: AAD87-05729

**MERGERS AND SHAREHOLDER RETURNS**

Author: SCHUMANN, LAURENCE HOWARD

Degree: PH.D.

Year: 1986

Corporate Source/Institution: UNIVERSITY OF VIRGINIA (0246)

Source: VOLUME 48/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 453. 166 PAGES

Descriptors: ECONOMICS, FINANCE

Descriptor Codes: 0508

This dissertation examines the effects of mergers on the wealth of shareholders of acquiring firms. Horizontal, vertical, and conglomerate mergers are studied independently so that the differential effects may be distinguished, because the motivations for different types of mergers may not be the same and, consequently, the effects on shareholders may vary. The lack of a compelling theoretical explanation of the mechanism by which the combination of unrelated firms increases profits has led some economists to conclude that conglomerate mergers are merely a means by which managers can satisfy their own desires to manage large, growing firms.

Two empirical procedures are used to examine the effects of mergers. The first approach employs the "event-study" technique. This procedure measures the stock market's reaction to an event such as a merger

by calculating the difference between the return earned by a share of stock at the time of the event and the expected return predicted by an appropriate model. This difference, or "excess return," when averaged over a large sample of firms experiencing the same event, is interpreted as reflecting the average economic impact of the event.

The **second** procedure is **based on** the concept of a **reduced**-form "**price** function." Such functions relate firms' share prices to the information set on which investors base their expectations of the stream of future dividends. The "price-function method" consists of estimating price functions for both firms involved in a merger during a period ending well before the merger is first announced. Estimated price functions are then used to predict stock prices of the merging firms for some period after the merger has been completed. The measure of the effect of the merger consists of the difference between the actual price of a share of the combined, post-merger firm and the weighted average of the predicted prices of the shares of the component firms.

The evidence presented in this dissertation indicates that, on average, mergers represent efficient, profit-maximizing investments. Furthermore, the motivation behind conglomerate mergers does not appear to be inconsistent with maximizing value. Conglomerate mergers appear to be profitable, on average, and no less profitable than horizontal or vertical mergers. (Abstract shortened with permission of author.)

14/5/6 (Item 6 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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921654 ORDER NO: AAD86-15070

**SIMULATED EFFECTS OF MANAGEMENT AND MATING SYSTEMS UPON LIFE-CYCLE  
PRODUCTION EFFICIENCY IN SWINE**

Author: MILLER, MICHAEL M.

Degree: PH.D.

Year: 1986

Corporate Source/Institution: IOWA STATE UNIVERSITY (0097)

Source: VOLUME 47/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1342. 129 PAGES

Descriptors: AGRICULTURE, ANIMAL CULTURE AND NUTRITION

Descriptor Codes: 0475

The "systems" concept of swine production research incorporates an awareness that there is more to consider than merely the level of production and implies that an enterprise is a system of many components which all play a part in determining net return. While level of production is an important factor affecting profitability, production costs are equally important. Numerous factors influence swine production and this information must be integrated to determine how enterprise profitability is affected. Five pork production systems were simulated using a deterministic computer model to analyze the effect that lactation length, estrus at initial mating, estrus at post-weaning mating and maximum parity have on the efficiency of producing 200 litters per year. Under this approach, production inputs were treated as dependent variables determined by animal performance. Mating gilts at first estrus does not appear to provide a means to improved efficiency, but this system does reduce overall facility requirements, which in turn **reduce** capital **outlay** and risk. Mating sows at first versus **second** estrus following weaning **after** a 35-day lactation improved feed efficiency and facility utilization. Production costs declined from \$98.11 to \$94.73 per 100 kg of pork marketed, increasing net profit by \$5086. Decreasing maximum parity from five down to one increased the number of replacement gilts entering the breeding herd annually which resulted in poorer reproductive performance, fewer market hogs, and a larger percentage of pork marketed as culled breeding stock. Reducing maximum parity from five to one decreased income as well as increased production costs. Production efficiency improved when lactation length declined from 35 to 18 days as a result of decreased feed, depreciation and capital charges. This result occurred in spite of a decline in litter size due to early weaning. The simulated results conclude

that increasing reproductive rhythm, tightening farrowing schedules and farrowing continuously offer producers opportunities to boost sow productivity, make more efficient use of facilities and improve herd efficiency.

14/5/7 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09747444

Nouvelle baisse des tarifs/

France: France Tz1Zcom cuts fixed to mobile call rates

Press Release (France Tz1Zcom) (PRS) 16 Apr 2002

Language: FRENCH

As at 30 April 2002, calls made from a France Tz1Zcom fixed line to Orange and SFR mobiles, will be reduced to EUR 0.13 in off-peak time (instead of EUR 0.152 today) and EUR 0.065 with Mon Mobile PrZfZrZ, a service which attracted over 1.3mn customers in the end of 2001. This service, available for free though you have to subscribe to it, offers a 50% discount on all calls made to an Orange, SFR or Bouygues Telecom mobile, 24 hours a day and seven days a week, after the second minute. The French telephone operator also reduced the price of calls in peak time to EUR 0.27 instead of EUR 0.303 today. The cut in rates represents a 17.5% reduction in the price of short calls, which represent 65% of the total volume of calls to mobile phones, according to the company.

COMPANY: FRANCE TILICOM; FRANCE TELECOM

PRODUCT: Cellular Radio Services (4811CR);

EVENT: Commodity & Service Prices (72);

COUNTRY: France (4FRA);

14/5/8 (Item 2 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09712716

Sekundov tarifika pre ISDN

Slovakia: Telekomunikacie offers cheaper ISDN tariff

Hospodarske Noviny (AVS) 01 Mar 2002

Language: SLOVAK

From 1 March 2002 to 30 April 2002 Slovenske Telekomunikacie, the Slovak telecom operator, is offering a special discount to its customers using ISDN services the second tariff after the first minute. The ISDN customer will pay Sk 0.48 per minute for Internet services and off-peak charges including weekends and bank holidays will be Sk 0.13 per minute. The off-peak tariff from 1 May to 31 July 2002 will be Sk 0.30, however, the charges during non-discount periods will be Sk 0.80 per minute and Sk 0.40 in off-peak period. \*

COMPANY: SLOVENSKE TELEKOMUNIKACIE

PRODUCT: Telephone Communications (4811); Telecommunications (4810);

Computers & Auxiliary Equip (3573); Communications Equip ex Tel (3662);

EVENT: Marketing Procedures (24); Public Affairs (29);

COUNTRY: Czech & Slovak Fed Republ (6CSF);

14/5/9 (Item 3 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09165692

Motorists lose out on no-claims discounts  
UK: NO CLAIMS DISCOUNT IS NOT PASSED ON  
Sunday Times (ST) 26 Sep 1999 Money p.1  
Language: ENGLISH

Motorists who have never made a claim on their car insurance are not receiving discounts when purchasing cover on a second vehicle. It is thought that consumers must wait at least two claim-free years to **qualify** for a **second car discount**, which can be as much as two-thirds of the premium. According to Direct Line insurance, an additional car is often driven by different members of the family, and therefore the insurer cannot take into account any no-claims discount. However, several UK insurers offer motorists a small discount when they purchase cover for more than one vehicle.

COMPANY: DIRECT LINE

PRODUCT: Passenger Transport (4001);  
EVENT: Commodity & Service Prices (72); Use of Services (48);  
COUNTRY: United Kingdom (4UK);

14/5/10 (Item 4 from file: 583)  
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09164021  
Canada Brokerage Seeks Japan Partner For Online Services  
JAPAN: TD WATERHOUSE GROUP PLANS JOINT VENTURE  
Nikkei Net Interactive (ATM) 20 Sep 1999 NihonKeizai Shimbun p.1  
Language: ENGLISH

Canada's TD Waterhouse Group Inc, an affiliate of Toronto-Dominion Bank, plans to offer brokerage services via the Internet in Japan. It is planning to form a joint venture with Japanese companies and hopes to conclude a deal in two or three months' time. TD Waterhouse is currently the world's **second** -largest **discount broker after** Charles Schwab Corp of the US, as well as the third-largest online broker.

COMPANY: CHARLES SCHWAB; INTERNET; TORONTO-DOMINION BANK; TD WATERHOUSE

PRODUCT: Securities & Commodities Exchanges (6230); Securities Dealers (6211); Debt & Equity Securities (E5640); Financial Service Information Providers (7375FN);  
EVENT: Company Formation (14);  
COUNTRY: Japan (9JPN); Canada (2CAN);

14/5/11 (Item 5 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09042507  
Japan Telecom Co  
JAPAN: JAPAN TELECOM TO CUT RATES  
The Asian Wall Street Journal (ANQ) 12 Jan 1999 P.4  
Language: ENGLISH

Japan Telecom will cut its rates for international telephone calls by an average of 2.2% from 25 January 1999. The rate cut will cover telephone calls to 97 destinations overseas and the largest rate reduction is a 17% cut in the cost of a three-minute, day-time call to France or Germany from Y 760 to Y 630 (US\$ 5.68). This will be Japan Telecom's **second** rate cut, **after** an average 8.6% **rate reduction** on 1 December 1998. \*

COMPANY: JAPAN TELECOM

EVENT: Commodity & Service Prices (72); Marketing Procedures (24);

COUNTRY: Japan (9JPN);

14/5/12 (Item 6 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06540486  
Da gennaio gli sconti Internet  
ITALY: TELEPHONE DISCOUNTS READY  
Il Sole 24 Ore (ISO) 30 Oct 1997 p.15  
Language: ITALIAN

From January 1st 1998, domestic users, non-profit associations and schools in Italy will be able to benefit from the announced telephone discounts. A 50% discount on the 'frequent number dialled' will start after the first unit, and will be applied to those clients who will give to Telecom Italia (telephone operator), or other future competitors, the list of those telephone numbers most dialled. To access the discount, the user will only have to pay a monthly canon of L 2,500. Those Internet users who do not have a service provider and have to connect paying as long-distance call, will also benefit from the 50% discount (after the second unit and paying a monthly canon of L 5,000). \*

COMPANY: TELECOM ITALIA

PRODUCT: Telephone Communications (4811);  
EVENT: Commodity & Service Prices (72);  
COUNTRY: Italy (4ITA);

14/5/13 (Item 7 from file: 583)  
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05012304  
Michelin achieves startling turnaround  
FRANCE - MICHELIN REDUCES LOSS IN 1991  
Independent (TI) 15 April 1992 p23

Michelin (France), tyre maker, reports a loss of FFr700 mil in 1991 vs a loss of FFr4.81 bil in 1990, vs the widely expected net loss of FFr1.5 bil-2 bil. The company made a net profit of FFr361 mil in the second half 1991 after a tough first half, owing to a drastic cost-reduction scheme and price increases, reflected in the 8,850 job losses and fall in operating costs by FFr1.5 bil. Michelin predicts a continuation of its recovery in 1992 and 1993.

COMPANY: MICHELIN

PRODUCT: Tyres (3011);  
EVENT: COMPANY REPORTS & ACCOUNTS - ANNUAL (83);  
COUNTRY: France (4FRA); Northern Europe (414); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420); South East Asia Treaty Organisation (913);

14/5/14 (Item 8 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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03482233  
WILLIS WRIGHTSON OFFERS HOME INSURANCE TO EX-CONVICTS  
UK - WILLIS WRIGHTSON OFFERS HOME INSURANCE TO EX-CONVICTS  
Times (TS) 19 May 1990 p24

Willis Wrightson, insurance broker, is offering home insurance policies to ex-convicts who have a non-violent criminal record. Among other items

covered include credit cards and bicycles. When the first year of the policy is completed, a 25% no-claims discount operates, rising to 40% after the second year.

PRODUCT: Property & Liability Insurance (6330);  
EVENT: PRODUCTS, PROCESSES & SERVICES (30);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

14/5/15 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2002 Institution of Electrical Engineers. All rts. reserv.

5413600 INSPEC Abstract Number: A9624-7740-004

Title: Properties of PMN and 0.9PMN-0.1PT ceramics sintered with various heating rates

Author(s): Long Wu; Yi-Cheng Liou

Author Affiliation: Dept. of Electr. Eng., Nat. Cheng Kung Univ., Tainan, Taiwan

Journal: Ferroelectrics vol.168, no.3-4 p.251-9

Publisher: Gordon & Breach,

Publication Date: 1995 Country of Publication: Switzerland

CODEN: FEROA8 ISSN: 0015-0193

SICI: 0015-0193(1995)168:3/4L.251:P9CS;1-L

Material Identity Number: D154-96010

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: The effect of heating rate on the properties of  $\text{Pb}(\text{Mg}/\text{sub } 1/3/\text{Nb}/\text{sub } 2/3/)\text{O}/\text{sub } 3/$  and  $0.9\text{Pb}(\text{Mg}/\text{sub } 1/3/\text{Nb}/\text{sub } 2/3/)\text{O}/\text{sub } 3/-0.1\text{PbTiO}/\text{sub } 3/$  relaxor ferroelectric ceramics during calcining and sintering process have been studied. Perovskite phase content, density, microstructure, and dielectric properties of PMN and 0.9PMN-0.1PT ceramics with heating rate between 2 degrees C/min and 30 degrees C/min are included.  $\text{MgNb}/\text{sub } 2/\text{O}/\text{sub } 6/$  and PMN content in the powders after first and second calcination are not affected by heating rate. Fast heating rate reduced the weight loss and resulted in high perovskite content and dense ceramics.  $T/\text{sub } \text{max}/$  remains constant in PMN and decreases with increasing heating rate in 0.9PMN-0.1PT.  $K/\text{sub } \text{max}/$  of PMN and 0.9PMN-0.1PT increase with heating rate and decreases at 30 degrees C/min for 0.9PMN-0.1PT due to formation of non-stoichiometric matrix. (14 Refs)

Subfile: A

Descriptors: ceramics; crystal microstructure; density; dielectric relaxation; ferroelectric Curie temperature; ferroelectric materials; heat treatment; lead compounds; sintering

Identifiers:  $\text{Pb}(\text{Mg}/\text{sub } 1/3/\text{Nb}/\text{sub } 2/3/)\text{O}/\text{sub } 3/$ ;  $\text{Pb}(\text{Mg}/\text{sub } 1/3/\text{Nb}/\text{sub } 2/3/)\text{O}/\text{sub } 3/-\text{PbTiO}/\text{sub } 3/$ ; relaxor ferroelectric ceramics; heating rate; calcining; sintering; Curie temperature; perovskite phase content; density; microstructure; dielectric properties; powders; weight loss; nonstoichiometric matrix; PMN; PMN- $\text{PbTiO}/\text{sub } 3/$ ;  $\text{PbMgO}_3\text{NbO}_3$ ;  $\text{PbMgO}_3\text{NbO}_3\text{-PbTiO}_3$

Class Codes: A7740 (Dielectric loss and relaxation); A7780B (Ferroelectric transitions and Curie point); A6480G (Microstructure); A8120E (Powder techniques, compaction and sintering); A8120L (Preparation of ceramics and refractories); A8120N (Preparation of cermets, ceramic and refractory composites)

Chemical Indexing:

$\text{PbMgO}_3\text{NbO}_3$  ss -  $\text{MgO}_3$  ss -  $\text{NbO}_3$  ss - Mg ss - Nb ss -  $\text{O}_3$  ss - Pb ss - O ss (Elements - 4)

$\text{PbMgO}_3\text{NbO}_3\text{PbTiO}_3$  ss -  $\text{MgO}_3$  ss -  $\text{NbO}_3$  ss -  $\text{TiO}_3$  ss - Mg ss - Nb ss -  $\text{O}_3$  ss - Pb ss - Ti ss - O ss (Elements - 5)

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14/5/16 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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4802274    INSPEC Abstract Number: C9412-1290F-019

**Title: Supplier pricing and lot sizing when demand is price sensitive**

Author(s): Abad, P.L.

Author Affiliation: Fac. of Bus., McMaster Univ., Hamilton, Ont., Canada

Journal: European Journal of Operational Research    vol.78, no.3    p.

334-54

Publication Date: 10 Nov. 1994    Country of Publication: Netherlands

CODEN: EJORDT    ISSN: 0377-2217

U.S. Copyright Clearance Center Code: 0377-2217/94/\$07.00

Language: English    Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: The problem of co-ordination between a vendor and a buyer is formulated as a two-person fixed threat bargaining game. The vendor decides on his lot size and the price schedule he is to offer to the buyer. The buyer decides upon his lot size and the selling price in the market. We have characterized Pareto efficient solutions and the Nash bargaining solution for the problem. We have also proposed two pricing schedules for the vendor who is supplying to a large population of buyers. The first one is **based upon** profit sharing. The **second** one resembles the classical all unit quantity **discount** schedule. We have thus provided for the supplier a procedure for setting all unit quantity discount schedule. (22 Refs)

Subfile: C

Descriptors: costing; game theory; probability; stock control

Identifiers: supplier pricing; lot sizing; price sensitive demand;

two-person fixed threat bargaining game; price schedule; selling price; Pareto efficient solutions; Nash bargaining solution; profit sharing; all unit quantity discount schedule

Class Codes: C1290F (Industry); C1290D (Economics and business); C1140E (Game theory)

14/5/17    (Item 3 from file: 2)

DIALOG(R)File    2:INSPEC

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01437588    INSPEC Abstract Number: B80001954

**Title: TV-transmission using a 64 kbit/s transmission rate**

Author(s): Musmann, H.G.; Klie, J.

Author Affiliation: Univ. Hannover, Hannover, West Germany

Conference Title: ICC '79. 1979 International Conference on Communications Part II    p.23.3/1-5

Publisher: IEEE, New York, NY, USA

Publication Date: 1979    Country of Publication: USA    482 pp.

Conference Sponsor: IEEE

Conference Date: 10-14 June 1979    Conference Location: Boston, MA, USA

Language: English    Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: A coding technique is described which aims at reducing the transmission bit rate of a monochrome broadcast television signal to that of a digital speech signal of 64 kbits/sec. The reduction of the bit rate is achieved by use of a standard-converter followed by a two-stage coder. The standard-converter converts the television signal into videotelephone format. In the first stage of the coder temporal filtering combined with adaptive sampling is applied to **reduce** the bit **rate**. In the **second** stage a **conditional** frame replenishment coder is used. (7 Refs)

Subfile: B

Descriptors: encoding; television broadcasting; video signals

Identifiers: monochrome broadcast television signal; temporal filtering; adaptive sampling; TV transmission; encoding

Class Codes: B6120B (Codes); B6420 (Radio and television broadcasting)

14/5/18    (Item 1 from file: 474)

DIALOG(R)File 474:New York Times Abs

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06575062    NYT Sequence Number: 098043930730

**CORRECTION: TENNECO OPERATING PROFIT RISES**

New York Times, Col. 2, Pg. 2, Sec. D

Friday July 30 1993

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

Tenneco Inc's earnings report on July 28 misstated operating results of company's packaging and shipbuilding subsidiaries; both subsidiaries posted lower operating profits, not losses; article also misstated operating income of Tenneco Gas subsidiary and strength of its financial performance; company's Case subsidiary, not Tenneco Gas, was best-performing subsidiary in the quarter; article misstated outlook of Wall Street analysts for packaging subsidiary and decline in price of linerboard; Tenneco posted operating earnings of \$111 million, up from \$50 million in **second** quarter of 1992; **after** including \$23 million one-time **charge** for debt **reduction**, company reported net income for quarter of \$88 million, down from \$123 million a year earlier; revenue for quarter totaled \$3.48 billion, up slightly from \$3.44 billion in 1992 period; revised figures for Tenneco's subsidiaries noted (L)

COMPANY NAMES: TENNECO INC

DESCRIPTORS: CORRECTION STORIES; COMPANY REPORTS; FORECASTS; FINANCES

18/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01459689 ORDER NO: AADAA-I9602763

**THE EFFECTS OF ANTIDUMPING LAW ENFORCEMENT**

Author: SUN, XIAOLUN  
Degree: PH.D.  
Year: 1995  
Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, BERKELEY (0028)  
Chair: JEFFREY M. PERLOFF  
Source: VOLUME 56/10-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4068. 99 PAGES  
Descriptors: ECONOMICS, AGRICULTURAL ; ENVIRONMENTAL SCIENCES  
Descriptor Codes: 0503; 0768

This thesis examines the effects of antidumping law enforcement in the United States on U.S. and foreign firms and on American welfare. This work differs from most previous studies, which are reviewed in Chapter 2, in that it focuses on the ex post effects of an antidumping investigation and the resultant import duties, rather than on why firms find it beneficial to dump in a foreign country, or on which firms are most likely to file antidumping complaints.

Chapter 3 provides the theoretical framework for the subsequent empirical studies. It demonstrates that, by filing an antidumping complaint, the petitioners are able to obtain some benefits immediately. Therefore, the imposition of antidumping duties is not the only motivation for the relief-seeking industries to file antidumping lawsuits.

Chapter 4 uses a capital market event study to assess how antidumping investigations affect firm value on the stock market. The results indicate that the mere initiation of an antidumping complaint leads to an immediate increase in stock market returns for the petitioners. The subsequent administrative decisions, on the other hand, appear to lack the expected impact on the petitioning firms. In particular, early rejection does not have a discernable effects on firm value.

In Chapter 5, three antidumping cases against Japanese manufacturing exports are studied to determine how antidumping investigations and duties affect both the American and the Japanese industries in terms of imports, prices, and market shares. The results show that antidumping actions have limited impact on industry trade flows and have mixed effects on U.S. and Japanese firms. Depending on the nature of the antidumping complaint and the level of dumping penalties, there can be beneficial, detrimental, or no effects on either side of an antidumping dispute.

Chapter 6 focuses on the welfare effects of antidumping duties in the agricultural sector. The results from the simulation analyses on three successful agricultural antidumping cases imply that, despite the small changes in terms of import prices and volume **after** the imposition of antidumping duties, the present **discount** value of excess **producer** rents in these successful cases are often quite high as compared to the legal expenditures.

This thesis concludes that the enforcement of U.S. antidumping law does not effectively serve its purpose. On the one hand, the law carries little punishment to the industries that bring weak antidumping cases; on the other hand, except in the agricultural sector, where the simulated rates of return are high, the real beneficial effects to most successful petitioners are very limited.

18/5/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01115122 ORDER NO: AAD90-21820

**AUSTRALIA'S PHARMACEUTICAL PRICING STRATEGY**

Author: JOHNSTON, MARK ANDREW  
Degree: PH.D.  
Year: 1990  
Corporate Source/Institution: HARVARD UNIVERSITY (0084)

Adviser: RICHARD ZECKHAUSER

Source: VOLUME 51/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 999. 352 PAGES

Descriptors: POLITICAL SCIENCE, PUBLIC ADMINISTRATION; ECONOMICS,  
GENERAL; HEALTH SCIENCES, PHARMACY

Descriptor Codes: 0617; 0501; 0572

Australia pays less for its prescription drugs than other developed nations. These low prices are achieved by making subsidization of a drug **contingent** on its **manufacturer** agreeing to **reduce** its **price**.

This thesis analyzes Australia's price- **contingent** subsidy for prescription drugs. It begins with a review of traditional rationales for universal insurance or subsidization. A game theory model of the negotiation process between government and manufacturers demonstrates the efficiency gains that can be captured by reducing consumer charges down to marginal cost and playing off competing drug manufacturers against one another. Australia derives substantial net benefits from these lower prices, estimated at 15% of the amount that it currently spends on prescription drugs.

A natural experiment in drug pricing in Australia in 1986 provides the opportunity to analyze the relationship between price and demand for prescription drugs. This new evidence suggests that the own price elasticity of demand is greater than previously thought, roughly \$-\$.75 based on changes in relative prices between drugs.

The thesis considers the impact of national pricing policies on international drug research and development. There are a number of reasons why, contrary to traditional Schumpeterian arguments, investment in drug research may not be suboptimal. Australia's role in the international pharmaceutical market is examined. The conclusion is that as a small player it has a strong incentive to pay no more than marginal cost for its drugs; it thereby free rides on the contributions that other nations make towards research and development. This section also examines the circumstances in which small players have the opportunity to avoid contributing to the costs of collective goods.

Finally, the diffusion of new drugs in Australia is examined by comparing drug approval dates for 11 developed nations between 1970 and 1983. Australia is usually among the last of these countries to receive the benefits of new drug discoveries, with long lags not confined to minor drugs. Its low manufacturers' prices appear to be a major factor, suggesting that the free ride is not without cost.

The thesis concludes by first examining policy implications for the Australian Pharmaceutical Benefits Scheme, and then drawing some more general conclusions for the analysis of public policies.

18/5/3 (Item 3 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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876187 ORDER NO: AAD85-05732

**AN INVESTIGATION INTO THE USE OF VARIOUS FORMS OF PRODUCT SPECIFIC  
INFORMATION AS PROXIES FOR PRODUCT QUALITY IN AN EXPERIMENTAL SITUATION**

Author: FINLAY, JIM L.

Degree: D.B.A.

Year: 1984

Corporate Source/Institution: LOUISIANA TECH UNIVERSITY (0109)

Source: VOLUME 46/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 204. 101 PAGES

Descriptors: BUSINESS ADMINISTRATION, MARKETING

Descriptor Codes: 0338

This dissertation was based upon two major objectives. First, to test the importance of several types of product specific information upon certain quality dimensions. Second, to determine if the influence of this information upon quality ratings varied according to the source of a subject's income.

The subjects selected for this study consisted of 187 nonself-supporting and 189 self-supporting individuals. Both groups were

exposed to identical information concerning price levels, brand names, store image and warranties.

Unlike most prior works, the products tested in this research differed in quality. Ratings were obtained in a before- **after** format on **manufacturer** and **discount** -store brands of jeans and manufacturer and distributor brands of portable stereo cassette players. The manufacturer's brand of jeans was superior to the distributor's brand in every respect. The distributor branded cassette player exhibited a superior level of sound quality to the manufacturer's brand although both were physically similar. The quality dimensions which were evaluated for the jeans consisted of style and durability. The criteria of interest for the cassette players were performance and durability.

This study employed a nonparametric ANOVA permutation test which produces an approximation of the standard ANOVA through the use of Monte Carlo simulation. In most cases, the subjects did not respond to the treatment information. In seven of ten frequency distributions analyzed for the nonself-supporting group, no significant differences were noted between the mean ratings obtained before and after treatment application. For the self-supporting group, only one of the ten rating distributions differed in a significant manner. This suggests that product specific information may be less important than prior experience and physical examination.

Another important finding concerned the lack of similarity in the ratings given by the two groups. Although their pretreatment evaluations were identical, their posttreatment ratings differed. Since they were influenced by the treatment information to a different degree, this suggests that a relationship may exist between sources of income and the use of product information. The existence of such a relationship suggests that students may not be valid subjects for studies of consumer buying behavior.

18/5/4 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09748674

Virgin Blue Pits Boeing and Airbus Against Each Other for Jet Order

Australia: Boeing & Airbus compete for Virgin Blue deal

Wall Street Journal (WSJ) 18 Apr 2002

Language: ENGLISH

Australia's budget airline Virgin Blue, launched by British billionaire Richard Branson in 2000, is taking advantage of the global market slump since the terrorist attacks and letting Boeing and Airbus bid against each other for a US\$ 2.4bn 40-jet order. Branson is expecting substantial **price reductions** from the **manufacturers after** deals such as China Eastern Airlines' 30% discount price of US\$ 800mn for 20 A320s. Low-fare carriers have traditionally operated fleets of only one model, usually Boeing's 737, to keep training and maintenance costs down and Irish carrier Ryanair agreed to buy 100 more in January 2002. The US's JetBlue however, has been using the Airbus' 320 model successfully while European low-cost carriers, including the UK's Go and EasyJet, are also considering model changes. Since the collapse of Ansett Australia, Virgin Blue's profits have boomed and are have been forecast to be over AU\$ 30mn (US\$15.9mn) for the year ending 31 March 2002. If Virgin Blue remains with Boeing, with which it currently flies 16 B737s, an order of between 30 and 40 will be placed and if Airbus wins the bid, a whole fleet will be ordered.

COMPANY: VIRGIN BLUE; CHINA EASTERN AIRLINES; BOEING; AIRBUS; ANSETT AUSTRALIA; RYANAIR; JETBLUE; GO; EASYJET

PRODUCT: Passenger Air Transport (4501); Scheduled Airlines (4510); Civil Aircraft (3721CI);

EVENT: Capital Expenditure (43); Use of Materials & Supplies (46);

COUNTRY: European Community (4EC); Australia (9AUS); United States (1USA);

18/5/5 (Item 2 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06080961

Cheaper tyres on the way  
MALAYSIA: REDUCE PRICE IN TYRE  
Business Times Malaysia (XAR) 25 Nov 1994 P.1  
Language: ENGLISH

Following the abolishment of excise duties in the 1995 Budget, local tyre **manufacturers** will **reduce** the **price** of passenger cars', trucks' and bus' tyre **based** on the savings they can made from duties reduction. The minimum saving are: - Passenger cars' tyre - RM 1.20 per tyre - Truck's and bus' tyre - RM 6.00 per tyre \*

PRODUCT: Tyres (3011);  
EVENT: Commodity & Service Prices (72); Taxation (92);  
COUNTRY: Malaysia (9MAO);

18/5/6 (Item 3 from file: 583)  
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05872105

Apple Slashes PC Prices in the U.S., Seeking to Boost Its Market Sha\  
US: APPLE IN PC PRICE CUT  
Wall Street Journal Europe (WSJ) 13 July 1993 p. 5  
Language: ENGLISH

Apple Computer of Cupertino, California, has cut US prices on many of its most popular personal computers (PCs) by as much as a third in a further effort to boost market share. These reductions occur only a month **after** the PC **maker** started offering **rebates** and price reductions on mid priced Macintosh machines. Apple has been forced recently into bolder price reductions as rivals swamp the market with cheap machines which approach the Macintosh's ease of use. Analysts say that Apple's move is a gamble because it is not known whether the lower prices will provoke enough customer demand to offset another squeeze on the firm's profit margins.

COMPANY: APPLE COMPUTER

PRODUCT: Microcomputers (3573MI);  
EVENT: Plant/Facilities/Equipment (44);  
COUNTRY: United States (1USA);

18/5/7 (Item 4 from file: 583)  
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04356490

DELL INTRODUCES COMPUTERS BASED ON INTEL 80486  
US - DELL INTRODUCES COMPUTERS BASED ON INTEL 80486  
Wall Street Journal Europe (WSJ) 26 June 1991 p8

Dell Computer (US), **discount** computer **maker**, has introduced computers **based** on the fastest 80486 chip from Intel. Dell has brought in a brace of computer models employing the chip with a speed of 50 MHz. Dell also said that it has replaced its 486-based machine line with a new modular line enabling users to upgrade the microprocessor.

PRODUCT: Microprocessors (3674MG);  
EVENT: COMPANIES ACTIVITIES (10);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);

18/5/8 (Item 5 from file: 583)  
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02562106

DOMINICKS LAUNCHES PROMOTION FOR RETAIL GOODS

US - DOMINICKS LAUNCHES PROMOTION FOR RETAIL GOODS

Advertising Age (AAE) 13 March 1989 pmw55

ISSN: 0001-8899

Dominick's Finer Foods (Chicago) is introducing a tailored manufacturers' coupon-by-mail program for its supermarket customers who use checks to pay for their groceries. The 90-outlet supermarket chain will implement the program on a test basis. Customers who carry approved Dominick's check-cashing cards will receive a mailing describing the program and they can opt not to participate in the program. Each time customers shop at the store, an electronic record of their purchases will be made. Based on this information, Dominick's will send selected **manufacturers' coupons** to the customers. The program is being administered via Citicorp and its Information Business subsidiary. A similar Citicorp-designed program is in place at Ukrops Supermarkets (Richmond, VA). It has been in test for some two years. Ukrops' customers get coupons in the mail and also at the check-out counter.

PRODUCT: Food Retailing (5400);

EVENT: MARKETING PROCEDURES (24);

COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);

18/5/9 (Item 6 from file: 583)  
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01510355

PAPER INDUSTRY EXPERIENCES DIFFICULTIES OVER POWER COSTS

UK - PAPER INDUSTRY EXPERIENCES DIFFICULTIES OVER POWER COSTS

Times (TS) 21 December 1987 p21

Despite having made a small recovery in recent years, the UK paper and board industry is threatened by increasing power costs, according to the Paper and Board Economic Development Committee. At present, energy accounts for 18% of production costs, and this is predicted to increase. Even after the introduction of the Qualifying Industrial Consumer's Scheme, it is feared that only 30% of paper and board **manufacturers** will **qualify** for **price reductions**. Following large imports of paper and board, the sector represents one of the UK's largest balance of trade deficits, reaching \$1.6bn.

PRODUCT: Paper & Allied Products (2600); Die Cut & Coated Paperboard (2645);

EVENT: MARKET & INDUSTRY NEWS (60);

COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

18/5/10 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2002 Institution of Electrical Engineers. All rts. reserv.

7146282 INSPEC Abstract Number: C2002-02-7180-008

Title: **An architecture for secure generation and verification of electronic coupons**

Author(s): Garg, R.; Mittal, P.; Agarwal, V.; Modani, N.

Conference Title: Proceedings of the 2001 USENIX Annual Technical Conference p.51-63

Publisher: USENIX Assoc, Berkeley, CA, USA

Publication Date: 2001 Country of Publication: USA 346 pp.  
ISBN: 1 880446 09 X Material Identity Number: XX-2001-02487  
Conference Title: Proceedings of the 2001 USENIX Annual Technical Conference

Conference Date: 25-30 June 2000 Conference Location: Boston, MA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

**Abstract:** Coupons are a very useful mechanism for carrying out different marketing management functions like sales promotion, brand promotion, and inventory management. With the advent of Internet shopping and online stores, there is an immediate need for an electronic equivalent of traditional paper coupons. Security issues such as coupon tampering, exchange, duplication and double spending become very important for electronic coupons. The authors describe a system for secure generation and verification of electronic **manufacturer** and store **coupons**. The proposed solution is **based on** a third party centralized coupon mint which carries out the check for double spending, similar to online electronic cash systems. However, unlike electronic cash systems, the coupon mint remains completely unaware of the promotion details (the amount of discount, product details etc.) and simply provides an infrastructure for online coupon verification. Thus, the coupon mint service can be provided by semi-trusted third parties different from manufacturers. The proposed system is inherently distributed and scalable. It lets different manufacturers independently choose their own promotion and targeting policies (without involving the coupon mint) and the coupon mint service provider. The system also offers several new types of coupons like aging coupons, growing coupons, random value coupons, and early bird coupons which were not practical by using traditional paper coupons (and not possible by using the electronic cash protocols). (18 Refs)

Subfile: C

**Descriptors:** electronic commerce; home shopping; Internet; security of data

**Identifiers:** secure generation; electronic coupon verification; marketing management functions; sales promotion; Internet shopping; online stores; coupon tampering; electronic manufacturer coupons; electronic store coupons ; third party centralized coupon mint; double spending; online electronic cash systems; promotion details; online coupon verification; semi-trusted third parties; coupon mint service provider; aging coupons; growing coupons ; random value coupons; early bird coupons; electronic cash protocols

**Class Codes:** C7180 (Retailing and distribution computing); C7120 (Financial computing); C7210N (Information networks); C6130S (Data security)

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18/5/11 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00328035 93CW10-003

**As top PC makers regain edge, cloners lose, price wars wane**

Fitzgerald, Michael; a

Computerworld , October 25, 1993 , v27 n43 p1, 16, 2 Page(s)

ISSN: 0010-4841

Company Name: IBM Corp.; Compaq Computer

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Reports that industry analysts project a 7 percent increase in the market shares of the top 10 PC **makers**. Says that orderly **price reductions based on** component pricing may return; IBM and Compaq have regained corporate accounts; PC clone manufactures are showing resilience; and that major vendors are building lower-priced brands. Includes a pie chart set. (dpm)

**Descriptors:** Business; Trends; Corporate Information; Price; Marketing

**Identifiers:** IBM Corp.; Compaq Computer



18/5/12 (Item 1 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

07656753 NYT Sequence Number: 823430990112  
**\$399 COMPUTERS FROM EMACHINES**  
Reuters  
New York Times, Col. 6, Pg. 6, Sec. C  
Tuesday January 12 1999  
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
RECORD TYPE: Abstract

ABSTRACT:

Emachines Inc, supplier of low-cost personal computers, introduces new models that will be priced as low as \$399, **after** a **rebate**, undercutting major **makers** of personal computers by a third (S)

COMPANY NAMES: Emachines Inc  
DESCRIPTORS: Computers and Information Systems; Prices (Fares, Fees and Rates); Personal Computers

18/5/13 (Item 2 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

05341483 NYT Sequence Number: 026089881217  
**ONLY A PRICE CUT GAVE SAMURAI A PUSH**  
HINDS, MICHAEL DECOURCY  
New York Times, Col. 3, Pg. 52, Sec. 1  
Saturday December 17 1988  
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
RECORD TYPE: Abstract

ABSTRACT:

Sales of Suzuki Samurai plunge with expiration of \$2,000- **rebate** program instituted by **manufacturer** **after** Consumers Union warned readers of Consumer Reports that it has dangerous propensity for rolling over; photo; graph (M)

SPECIAL FEATURES: Graph; Photo  
COMPANY NAMES: CONSUMER REPORTS (MAGAZINE); CONSUMERS UNION OF US INC  
DESCRIPTORS: AUTOMOBILES; SALES; JEEPS; AUTOMOBILE SAFETY FEATURES AND DEFECTS; REBATES; CONSUMER'S WORLD PAGE (NYT)  
PERSONAL NAMES: HINDS, MICHAEL DECOURCY

18/5/14 (Item 1 from file: 475)  
DIALOG(R)File 475:Wall Street Journal Abs  
(c) 2002 The New York Times. All rts. reserv.

08124533 NYT Sequence Number: 000000020118  
**INJUNCTION IS LIFTED ON MICHIGAN PLAN TO CUT DRUG COSTS**  
GOLD, RUSSELL (BYLINER)  
Wall Street Journal, Col. 6, Pg. 2, Sec. B  
Friday January 18 2002  
DOCUMENT TYPE: Newspaper JOURNAL CODE: WSJ LANGUAGE: English  
RECORD TYPE: Abstract

ABSTRACT:

Michigan expects to implement an ambitious plan in early February to cut prescription-drug costs by seeking **rebates** from certain **manufacturers**, **after** a state appellate court lifted a lower-court injunction blocking the program (M)

DESCRIPTORS: DRUGS (PHARMACEUTICALS); HEALTH INSURANCE; REBATES; SUITS AND LITIGATION; LAW AND LEGISLATION  
PERSONAL NAMES: GOLD, RUSSELL (BYLINER)

GEOGRAPHIC NAMES: MICHIGAN

18/5/15 (Item 2 from file: 475)  
DIALOG(R)File 475:Wall Street Journal Abs  
(c) 2002 The New York Times. All rts. reserv.

01074724 NYT Sequence Number: 013378760803

Union Oil Co of California and Atlantic Richfield Co agree to new contracts  
with Indonesia. Accept govt proposal to give Indonesia 85% of profit  
remaining after foreign producers have deducted expenses .  
Indonesia now receives 65%. Petromer Trend of Denver and Asamera Oil Corp  
of Canada reject govt terms (S) .)

Wall Street Journal, Col. 2, Pg. 6

Tuesday August 3 1976

DOCUMENT TYPE: Newspaper JOURNAL CODE: WSJ LANGUAGE: English

RECORD TYPE: Abstract

COMPANY NAMES: ASAMERA OIL CORP; ATLANTIC RICHFIELD CO; PETROMER TREND  
CORP; UNION OIL CO OF CALIFORNIA

DESCRIPTORS: FINANCES; OIL (PETROLEUM) AND GASOLINE

GEOGRAPHIC NAMES: %INDO; INDONESIA, REPUBLIC OF

21/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01246218 ORDER NO: AADMM-63256

**METAL LEACHING BY THIOBACILLUS FERROOXIDANS STRAINS AND THEIR FERROUS IRON AND SULFUR OXIDATION AND FERRIC IRON REDUCTION ACTIVITIES**

Author: TAKEUCHI, TRAVIS L.

Degree: M.SC.

Year: 1990

Corporate Source/Institution: THE UNIVERSITY OF MANITOBA (CANADA) (0303)

Source: VOLUME 30/04 of MASTERS ABSTRACTS.

PAGE 1405. 119 PAGES

Descriptors: ENGINEERING, CHEMICAL; BIOLOGY, MICROBIOLOGY

Descriptor Codes: 0542; 0410

ISBN: 0-315-63256-9

Thiobacillus ferrooxidans mine strains were used in shake flask and column studies. These studies show that adaptation to an ore sample is necessary for metal solubilization.

A Gilson oxygraph with a Clarke electrode was used to measure the aerobic ferrous iron and sulfur oxidation activity levels of cell suspensions. A Warburg apparatus was used to measure the aerobic and anaerobic sulfur oxidation activity levels of cell suspensions. Cells were grown on ferrous iron, sulfur and a sulfide ore sample.

The transition from ferrous iron to elemental sulfur showed that T. ferrooxidans strains can be divided into two groups based on the activity levels. The first group retained the high ferrous oxidation activity when transferred to sulfur. These strains showed consistent metal extraction rates at high percentages in shake flask studies. The second group showed a decreased ability to oxidize ferrous iron after repeated subculturing on elemental sulfur. These strains showed variable results in shake flask studies. The first group also showed increased ferric iron **reduction rates after** subculturing on sulfur where the **second** group showed decreased activity levels. The different responses of group one and two organisms shown upon transition from ferrous iron to sulfur were not apparent upon transition to ore samples.

21/5/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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777260 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.

**PRICE INCENTIVES AND REVITALIZATION OF THE DECLINING GHANAIA COCOA INDUSTRY: A MULTIPERIOD LINEAR PROGRAMMING - RISK SIMULATION APPROACH**

Author: DAPAAH, SAMUEL KOJO

Degree: PH.D.

Year: 1982

Corporate Source/Institution: UNIVERSITY OF GUELPH (CANADA) (0081)

Source: VOLUME 42/12-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 5194.

Descriptors: ECONOMICS, AGRICULTURAL

Descriptor Codes: 0503

This study investigated the problem of indicating realistic levels of price and other incentives needed to alter farmers' investment decisions away from competing foodcrops to cocoa.

The study consisted of three parts. The first part developed a framework for indicating the nature and levels of incentives needed to revitalize the declining Ghanaian cocoa industry within the context of opportunity costs of producing cocoa and competing foodcrops. Within the framework, two versions (Models I and II) of a multiperiod linear programming-risk simulation model were developed. These models were **based on** Ghana's administratively determined **discount** factors and on inflation adjusted discount factors respectively.

The **second** part consisted of determining the relative predictive abilities of models I and II. This was achieved through comparison of the

land distribution between cocoa, foodcrops and unused land generated by each model with those obtained on a representative farm business which was a composite of 24 farm businesses studied over a period of 15 months in the Ashanti Region of Ghana.

The third part consisted of using the model with greater predictive ability (Model II) and the associated simulation runs to predict the effects of economic, policy and management variables on hectares of cocoa produced relative to competing foodcrops on the representative farm business.

The results of the research suggested that to achieve a 2% annual growth in cocoa production over a 25 year period (1981-2006) would require maintaining a cocoa/foodcrop price ratio of about 3:1 in real terms. This called for raising the 1981 cocoa producer price of C120.00 per 30 kilograms to C360.00 per 30 kilograms and maintaining the new cocoa/foodcrop price ratio for the next 25 years. However, the maintenance of this relative price ratio were found to be dependent on valuing cocoa export earnings at roughly C7.50 = \$1.00 instead of at the official exchange rate of C2.75 = \$1.00 in 1981 and indexing this new exchange rate.

21/5/3      (Item 3 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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776687 ORDER NO: AAD82-09138

**HYDROLOGIC SIMULATION OF NITRATE LOSSES WITH TILE DRAINAGE WATER**

Author: KANWAR, RAMESHWAR SINGH

Degree: PH.D.

Year: 1981

Corporate Source/Institution: IOWA STATE UNIVERSITY (0097)

Source: VOLUME 42/11-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4492. 261 PAGES

Descriptors: ENGINEERING, AGRICULTURAL

Descriptor Codes: 0539

The processes of water movement and leaching of nitrates within the soil profile are complex, but important to agricultural production and the environment. The effects of our modern agricultural production technology on nitrate movement within and from watersheds need to be determined. The objective of this study was to develop mathematical models to describe the movement of nitrates in the soil profile and to predict the nitrate losses with tile drainage water.

A mathematical model was developed to describe the movements of nitrates in a soil profile based on a zero-order reaction rate of nitrate reduction. This model is capable of predicting the concentration of nitrates at any time within the soil profile from a single time application of fertilizers on the soil surface. A **second** mathematical model was developed **based on a first-order reaction rate of nitrate reduction**. The validity of these models has been supported by comparison with experimental data.

Also, a computer simulation model of nitrogen transformations and transport in soil was developed to predict nitrate concentrations in tile effluent as a function of farm management practices and climatic conditions. This model is based on a previously developed model and uses daily pan evaporation, and daily precipitation records as inputs. Other inputs to the model include planting and harvest dates, dates of fertilization, and initial moisture content nitrate concentrations in the soil profile. The various outputs from the model are tile flow, nitrate concentration in the effluent, evapotranspiration, and nitrogen uptake by plants.

Predicted values of tile flow and concentration of nitrates in the tile effluent compared favorably with the values measured for the years from 1970 to 1978 at Agronomy and Agricultural Engineering Research Center in Boone County, Iowa. A sensitivity analysis of the model parameters related to tile drainage and nitrate concentrations in the tile water was completed. Water content in the unsaturated region and initial nitrate

concentrations in the soil profile are the two important factors influencing the effluent concentrations.

21/5/4 (Item 1 from file: 583)

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09856466

Marketec lanza un cupon para supers

Argentina: Marketec launched in Argentina  
El Cronista Comercial (ESK) 22 Aug 2002  
Language: SPANISH

Marketec has launched its personalized coupon system in Argentina. The system works by collecting information of products at the **point of sale** in supermarkets, and then issues a **coupon based on** the customers purchase. It is now being used by Disco and Norte supermarkets. US\$ 3mn was invested.

COMPANY: MARKETEC; DISCO; NORTE

PRODUCT: Security Printing (2750SP);  
EVENT: Product Design & Development (33);  
COUNTRY: Argentina (3ARG);

21/5/5 (Item 2 from file: 583)

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09705909

KDDI to cut fees 33% to call from NTT phones to 'au' phones

Japan: Lower call rates planned by KDDI for NTT users  
Nikkei Net Interactive (ATM) 21 Feb 2002 NihonKeizai Shimbun Online  
Language: ENGLISH

In Japan, charges for calls made to 'au' mobile phones of KDDI from fixed-line telephones of Nippon Telegraph and Telephone Corp (NTT) will be reduced by the former by as much as 33.3%, effective 21 March 2002. Under the plan, KDDI will set the fees charged on NTT users **based on** the amount of **reduction** in interconnection **charges**. In another plan, KDDI, the **second** largest telecommunications operator in Japan, will kick off its next-generation mobile phone service, which adopts the CDMA2000 1X standard on the targeted schedule of 1 April 2002.

COMPANY: NIPPON TELEGRAPH & TELEPHONE; NTT; KDDI

PRODUCT: Cellular Radio Services (4811CR);  
EVENT: Product Design & Development (33); Marketing Procedures (24);  
COUNTRY: Japan (9JPN);

21/5/6 (Item 3 from file: 583)

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09541155

Klang lures feeders

MALAYSIA: PORT KLANG'S INCENTIVES TO FEEDERS  
Cargo News Asia (XCJ) 21 May 2001 p.1  
Language: ENGLISH

To realise its objective to attract regional feeder lines to trans-ship 100,000 TEUs <twenty-foot equivalent units> annually at Port Klang, Klang Port Authority (KPA) has extended its initial one-year period incentive scheme for another two years. The incentive scheme is to include rebates

and discounts on ship-call charges from KPA and the terminal operators at the port. There are two phases in the extended incentive scheme. In the first phase, the terminals at the port will give discounts on ship-call charges, and KPA will give US\$ 10 **rebate**, to be **based on** box size. In the **second** phase, the **rebate** is to be **based on** yearly throughput, and applies to feeders using Port Klang and Singapore as trans-shipment ports. The second phase will commence in July 2001.

PRODUCT: Ports (4462);  
EVENT: Marketing Procedures (24);  
COUNTRY: Malaysia (9MAO);

21/5/7 (Item 4 from file: 583)  
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09510653

SHKP mortgage deal

HONG KONG: BANK OF EAST ASIA OFFERS 2ND MORTGAGE  
South China Morning Post (XKT) 21 Apr 2001 P. B2  
Language: ENGLISH

Bank of East Asia (BEA) and Sun Hung Kai Properties (SHKP) have teamed up to offer purchasers of the Oscar by the Sea units in Tseung Kwan O an 8% cash rebate and a 25% **second** mortgage. The 8% cash **rebate** will be **based on** the mortgage value. The two will even offer higher cash rebate to buyers under the Home Starter Loan Scheme. \*

COMPANY: SUN HUNG KAI PROPERTIES; BANK OF EAST ASIA

PRODUCT: Retail Banking Services (6006); Mortgage Bankers & Brokers (6160); Private Debt (E5650); Capital & Loanable Funds (E5630); Multifamily Housing (1523); Residential Buildings (1520);  
EVENT: Company Formation (14);  
COUNTRY: Hong Kong (9HON);

21/5/8 (Item 5 from file: 583)  
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09071388

Foreign-invested banks' lending business in HK drop 35%

HONG KONG: LENDING FROM FOREIGN BANKS DROPS  
HK Economic Journal (XKG) 09 Mar 1999 p.7  
Language: CHINESE

According to the International Bank of Settlement's report, foreign-invested banks have been reducing their lending in Hong Kong, especially European banks and Japanese banks. Foreign banks' lending dropped to US\$ 492 bn in the third quarter of 1998 from US\$ 522.3bn in the **second** quarter of the year. **After** adjusting foreign exchange **rates**, the **reduction** of foreign banks' lending was 35%.

COMPANY: INTL BANK OF SETTLEMENT

PRODUCT: Capital & Loanable Funds (E5630); Loan Syndicators (6164);  
International Lending (6020IL);  
EVENT: Capital Expenditure (43); Plant & Equipment Sales (66);  
COUNTRY: Hong Kong (9HON);

21/5/9 (Item 6 from file: 583)  
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09034051

Serps to be scrapped as pension focus switches to poor

UK: SERPS SCRAPPED AS PENSION FOCUS ON POOR

The Times (TS) 16 Dec 1998 p.1

Language: ENGLISH

The Government will scrap the state earnings related pension (Serps), and incentives will be offered to middle income earners to take out private pensions instead. However, for people earning less than GBt 9,000 a year the government will provide a second state pension with a guaranteed minimum pension. People earning over GBt 9000 a year will be financially penalised if they just rely on state provision. Those earning between GBt 9000 and GBt 18500 will initially be given national insurance rebates to join a **second** pension which will become a flat **rebate** after five years. The basic pension will remain updated with prices but the minimum guaranteed pension for poorer groups would be linked to earnings. The reforms will lead to the distribution of resources to Britain's 5mn poorest pensioners. All those reaching retirement will be protected but the poorest will receive extra help. These reforms will cost GBt 500mn a year and GBt 5bn by 2050.

PRODUCT: Business Personnel Management (9918);

EVENT: Government Regulations (93);

COUNTRY: United Kingdom (4UK);

**21/5/10 (Item 7 from file: 583)**

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06274490

Seasons Park pricing competitive: Analysts

SINGAPORE: LAUNCH OF SEASONS PARK CONDOMINIUMS

The Straits Times (XBB) 28 February 1996 P.34

Language: ENGLISH

Market watchers are monitoring the launching of the Seasons Park Condominiums at Yio Chu Kang, the first launch after the Lunar New Year and the traditional start of house buying season in 1996. Pricing of the condominiums are at S\$ 610 per square foot (psf), which is lower than the S\$ 620-650 psf by Castle Green condos. Found at the fringe of Ang Mo Kio public housing estate, the project is aimed at the Housing Board Development (HDB) upgraders. Season Park would launch a total of 390 units in 2 phases. The first includes 154 2-and-3-bedroom units at an average of S\$ 610 psf **after** 11-31% **discount**. The **second** phase includes 236 units of 1-and-4-bedroom units and penthouses. Price range of the 2-bedroom unit is at S\$ 610,000-670,000 for 1,044 sq ft, while price range of the 3-bedroom unit is at S\$ 719,000-800,000 for 1,249 sq ft. The pricing of the condominiums is stated as "competitive" and a realistic expectation of the developers, which are Orchard Parade Holdings and Pidemco Land. The marketing agency being Knight Frank.

COMPANY: ORCHARD PARADE HOLDINGS; PIDEMCO LAND; KNIGHT FRANK

PRODUCT: Multifamily Housing (1523); Residential Buildings (1520);

EVENT: Commodity & Service Prices (72); Plant/Facilities/Equipment (44);

COUNTRY: Singapore (9SIN);

**21/5/11 (Item 8 from file: 583)**

DIALOG(R)File 583:Gale Group Globalbase(TM)

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06043334

DMIB maintains its earnings level

MALAYSIA: DMIB EARNINGS AT RM 38.4 MN

New Straits Times (XAS) 5 SEP 1994 p.15

Language: ENGLISH

DMIB Bhd of Malaysia maintained the same level of profit for the year ended 30 June 1994 at RM 38.4 mn. However the turnover shows 5.2% increase from

RM 307.8 mn in 1993 to RM 323.9 mn. Profit after tax and extraordinary items attributable to shareholders is RM 27.1 mn. Group earnings per share improved from RM 0.092 to RM 0.095 and net tangible assets per share rose from RM 0.72 to RM 0.74. Pre-tax profit at company level grew 6% from RM 31.4 mn to RM 33.4 mn and turnover rose 7% to RM 234.8 mn. These results were due to lower tyre sales in Malaysia market during the **second** half of 1993, cause by the **price reduction** on imported tyre **after** the restructuring of the import tariff system. A final gross dividend of RM 0.07 less tax has been recommended.

COMPANY: DMIB

PRODUCT: Tyres (3011);

EVENT: Company Reports & Accounts (83);

COUNTRY: Malaysia (9MAO);

21/5/12 (Item 9 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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05940016

Zwei Raffinerien zuviel fuer den MarktBewegte Vergangenheit - rosige\

CZECHIA: PRIVATISATION OF CHEMOPETROL LITVINOV

Prager Zeitung (XHY) 10 Feb 1994 p.4,5

Language: GERMAN

36% of the stock of the Czech oil and petrochemical company Chemopetrol Litvinov is to be privatised in the **second** wave of **voucher** privatisation. **After** the privatisation, the share capital is to be increased by 10%. The state will retain at least 34%. At the same time, Chemopetrol is taking over a 49% stake in Benzina and 25 state-owned petrol stations. Moreover, Chemopetrol has set up a joint venture with German UW Beckmann. The new company called C1 is to set up a filling station network in the Czech Republic. In 1993 Chemopetrol had a turnover of more than KC 25bn, to which oil refining contributed 60%. Pre-tax profit was KC 2.25bn. In an interview, deputy director for Chemopetrol privatisation, Miroslav Kornalik, says that a consortium of Total, Agip and Conoco is interested in the privatisation of the Czech oil refining and plastic industries.

COMPANY: CHEMOPETROL LITVINOV; CHEMOPETROL; BENZINA; C1; UW BECKMANN; BECKMANN; TOTAL; AGIP; CONOCO

PRODUCT: Oil (2910); Crude Oil (1311); Garages & Filling Stations (5541); Fuel & Ice Dealers (5980);

EVENT: Company Formation (14); Company/Organisational History (12); Company Reports & Accounts (83); Company Formation (12);

COUNTRY: Germany (4GER); European Community (4EC); Czech & Slovak Fed Republ (6CSF);

21/5/13 (Item 10 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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03726343

UHC CLAIMS FIRST WITH SHRINK-WRAPPED UNIX V.4 FOR INTEL

US - UHC CLAIMS FIRST WITH SHRINK-WRAPPED UNIX V.4 FOR INTEL

Computergram International (CGI) 20 September 1990 p1

ISSN: 0268-716X

UHC (Houston, TX), start-up, is claiming to be first with a fully commercialised shrink-wrapped version of Unix System V.4 for 80386 and 80486 machines. The company began delivering its system in the last two weeks and AT&T's Unix System Laboratories, from which it bought its System V.4 licence, agrees that that timing would give it the distinction it claims. Its software includes X Window, support for both Open Look and OSF/Motif, networking extensions and developers kit. List price, including documentation, is USD1r3k and **qualified** developers can claim an



introductory **discount** bringing their cost down to USD1r2k. UHC's **second** product line, a family of 80386 and 80486 boxes, has been forced to take a back seat to its current software interests, but is still available. The high-end, representing an installed base of a couple of dozen units, includes an Intel 80486-plus-80860 EISA bus machine currently running Unix APX and priced from USD1r30k.

PRODUCT: Unix Operating Systems (7372UO); CAD/CAM Mechanical Software (COSW);

EVENT: PRODUCTS, PROCESSES & SERVICES (30);

COUNTRY: United States (1USA); NATO Countries (420); South East Asia Treaty Organisation (913);

21/5/14 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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7341612 INSPEC Abstract Number: B2002-09-6210L-076, C2002-09-5620W-037

**Title: Fair pricing policy for multipoint-to-point service in Internet wide-area network**

Author(s): Chan-Hyun Youn; Lin Zhang; Jaehyoung Yoo

Author Affiliation: Sch. of Eng., Inf. & Commun. Univ., Taejon, South Korea

Conference Title: 2001 International Conferences on Info-Tech and Info-Net. Proceedings (Cat. No.01EX479) Part vol.2 p.401-12 vol.2

Editor(s): Zhong, Y.X.; Cui, S.; Wang, Y.

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2001 Country of Publication: USA 6 vol.(391+853+567+410+350+178) pp.

ISBN: 0 7803 7010 4 Material Identity Number: XX-2002-00252

U.S. Copyright Clearance Center Code: 0-7803-7010-4/01/\$10.00

Conference Title: 2001 International Conferences on Info-tech and Info-net. Proceedings

Conference Sponsor: China Assoc. Sci. & Technol.(CAST); Chinese Inst. Electron. (CIE); IEEE Beijing Sect.; IEE Beijing Center; ATM Forum; Beijing Internet Inst.; IEEE Commun. Soc.; IEEE Comput. Soc.; IEEE Control Soc.; Global Inf. Infrastructure Commission (GIIC); World Federation of Eng. Organ. (WFEO); IFIP; Internet Eng. Task Force (IETF); Int. Council of Comput. Commun. (ICCC)

Conference Date: 29 Oct.-1 Nov. 2001 Conference Location: Beijing, China

Language: English Document Type: Conference Paper (PA)

Treatment: Economic aspects (E); Theoretical (T)

**Abstract:** Price and quality differentiation are valuable tools that can provide higher revenues and increase utilization efficiency of a network, and thus in general social welfare. A well-designed pricing scheme should also have the fairness property, and how to define fairness within a multicast group, and among multicast groups and unicast connections is a crucial concern in the fairness property. In this paper, we propose a new resource allocation scheme that is based on power spectral analysis and general weight max-min (GWM) fairness to compensate for QoS degradation services. We prove that the QoS degradations of the input traffic, particularly delay and delay variations, are closely related to the power spectrum and derive an efficient **discount** factor **based on** perturbation analysis. The GWM fairness in the multipoint-to- **point** ABR **service** is also evaluated to avoid and alleviate congestion. Simulation results are presented to demonstrate the efficiency of proposed schemes. (18 Refs)

Subfile: B C

Descriptors: Internet; minimax techniques; multicast communication; quality of service; spectral analysis; tariffs; telecommunication congestion control

Identifiers: fair pricing policy; multipoint-to-point service; Internet wide-area network; quality differentiation; revenues; utilization efficiency; social welfare; pricing scheme; fairness property; multicast group; unicast connections; resource allocation scheme; power spectral analysis; general weight max-min fairness; GWM fairness; QoS degradation services; input traffic; delay; delay variations; power spectrum; discount

factor; perturbation analysis; ABR service; congestion; available bit-rate service

Class Codes: B6210L (Computer communications); B0260 (Optimisation techniques); C5620W (Other computer networks); C1180 (Optimisation techniques)

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21/5/15 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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5771412 INSPEC Abstract Number: B9801-6250F-238

**Title: A comparison of two different algorithms for multi antenna C/I balancing**

Author(s): Schmalenberger, R.; Blanz, J.J.

Author Affiliation: Res. Group for RF Commun., Kaiserslautern Univ., Germany

Journal: ITG-Fachberichte Conference Title: ITG-Fachber. (Germany) no.145 p.483-90

Publisher: VDE-Verlag,

Publication Date: 1997 Country of Publication: Germany

CODEN: ITGFEY ISSN: 0341-0196

SICI: 0341-0196(1997)145L:483:CDAM;1-7

Material Identity Number: M523-97004

Conference Title: EPMCC '97. Second European Personal Mobile Communications Conference together with 3. ITG-Fachtagung, Mobile Kommunikation

Conference Sponsor: AEI; IEE; OVE/GIT; SEE; SEV/ITG

Conference Date: 30 Sept.-2 Oct. 1997 Conference Location: Bonn, Germany

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P); Theoretical (T)

Abstract: This paper presents a novel balancing method for the carrier to interference ratio (C/I) in the downlink of a digital cellular radio system. This concept, which uses an array antenna in conjunction with beam forming techniques at the base stations, is an extension of the well-known centralized power control scheme for single antenna systems. In addition, a **second** C/I balancing method is discussed, which **reduces** the **expense** of a real system. **Based** on Monte Carlo simulations of a cellular environment, cumulative distribution functions of the C/I are determined in order to evaluate the performance improvements enabled by the novel balancing methods. (11 Refs)

Subfile: B

Descriptors: antenna arrays; array signal processing; cellular radio; digital radio; Monte Carlo methods; power control; probability

Identifiers: multi antenna C/I balancing; balancing method; carrier to interference ratio; digital cellular radio system; array antenna; beam forming techniques; base stations; centralized power control scheme; Monte Carlo simulations; cumulative distribution functions

Class Codes: B6250F (Mobile radio systems); B6140 (Signal processing and detection); B5270D (Antenna arrays); B0240G (Monte Carlo methods)

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21/5/16 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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5733347 INSPEC Abstract Number: B9712-2570D-011

**Title: Charge injection error reduction circuit for switched-current systems**

Author(s): Riffaud, P.; Tourneur, G.; Garnier, E.; Roux, P.

Author Affiliation: Lab. d'Etudes de l'Integration des Composants et Syst., Bordeaux I Univ., Talence, France

Journal: Electronics Letters vol.33, no.20 p.1689-91

Publisher: IEE,

Publication Date: 25 Sept. 1997 Country of Publication: UK

CODEN: ELLEAK ISSN: 0013-5194

SICI: 0013-5194(19970925)33:20L.1689:CIER;1-G

Material Identity Number: E089-97020

U.S. Copyright Clearance Center Code: 0013-5194/97/\$10.00

Language: English Document Type: Journal Paper (JP)

Treatment: New Developments (N); Practical (P)

Abstract: The authors propose a novel circuit for **reducing the charge injection error based on** the technique of current source replication, applied to a **second** generation memory cell. Using the proposed circuit, offset error, linear gain error, and total harmonic distortion are significantly reduced to the detriment of the occupied die area and the power dissipation which are multiplied by a factor of three. (3 Refs)

Subfile: B

Descriptors: CMOS analogue integrated circuits; electric charge; errors; harmonic distortion; switched current circuits

Identifiers: charge injection error reduction circuit; switched-current systems; current source replication; second generation memory cell; offset error; linear gain error; total harmonic distortion; power dissipation; die area; THD reduction; CMOS SI circuits

Class Codes: B2570D (CMOS integrated circuits); B1180 (Time varying and switched networks)

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21/5/17 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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4903791 INSPEC Abstract Number: A9507-2980-004, C9504-7320-132

Title: **FEAST: a possible second level trigger for ATLAS**

Author(s): Hansen, J.R.

Author Affiliation: Niels Bohr Inst., Copenhagen Univ., Denmark

p.273-8

Editor(s): Menzione, A.; Scribano, A.

Publisher: World Scientific, Singapore

Publication Date: 1994 Country of Publication: Singapore xviii+677 pp.

ISBN: 981 02 1672 6

Conference Title: Proceedings of 4th International Conference on Calorimetry in High-Energy Physics

Conference Date: 19-25 Sept. 1993 Conference Location: Isola D'Elba, Italy

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: FEAST is a **second** level trigger architecture, suitable for sophisticated event **rate reduction** at LHC. It is **based on** a multiprocessor architecture with point-to-point data links connecting the individual processors. This paper describes FEAST and a specific model with DSP's and transputers as the basic processor components. The model is being implemented as a demonstrator for the ATLAS second level trigger. (6 Refs)

Subfile: A C

Descriptors: calorimeters; high energy physics instrumentation computing; multiprocessing systems; position sensitive particle detectors; transputers

Identifiers: FEAST; second level trigger architecture; ATLAS; multiprocessor architecture; transputers; DSP processor

Class Codes: A2980C (Computer systems for nuclear information processing); A2970J (Integral methods of radiation detection); A2940T (Position sensitive detectors); C7320 (Physics and chemistry computing); C5440 (Multiprocessing systems)

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21/5/18 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00496258 98PW05-047

**Gateway E-3110 266**

Robb, JoAnne; Brandt, Andrew  
PC World , May 1, 1998 , v16 n5 p240-244, 5 Page(s)  
ISSN: 0737-8939  
Company Name: Gateway 2000  
Product Name: Gateway E-3110 266  
Languages: English  
Document Type: Hardware Review  
Grade (of Product Reviewed): B  
Hardware/Software Compatibility: Microsoft Windows  
Geographic Location: United States

Presents a favorable review of the Gateway E-3110 266 (\$2,118), a desktop computer from Gateway 2000 that is powered by a Pentium II 266MHz processor. Says that it is bundled with an SMC EtherPower II 10/100 network interface card, and a desktop management interface (DMI)-2 client management software program to support networking. Reports that the system's PC WorldBench 98 score is the second highest among Windows 95 systems in the 'Best Buy' category. However, considers the EV700 monitor just average and says it may not be suitable for high-end graphics work. Rates Gateway's support policy as one of the best. Notes that, **after a price reduction** of \$231, the product moved to **second** place in PC World's 'Top 20 Power Desktops' for the month. Includes one photo, one scorecard, and two tables. (XG8)

Descriptors: Pentium II; Microcomputer System; Ethernet; Benchmark Testing; Networks

Identifiers: Gateway E-3110 266; Gateway 2000

**21/5/19 (Item 1 from file: 474)**

DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

07693067 NYT Sequence Number: 115487990611

**CONNECTICUT PASSES SALES-TAX REBATE AS SESSION ENDS**

Allen, Mike

New York Times, Col. 1, Pg. 5, Sec. B

Friday June 11 1999

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

Connecticut Legislature adjourns **after** passing \$50 sales tax **rebate** for every adult taxpayer in state; rebate, state's **second** in two years, is symbolic of bipartisan cooperation that marked five-month session, where biggest issue was how to spend record \$551.9 million budget surplus; photo of Gov John G Rowland with legislative leaders (M)

**SPECIAL FEATURES:** Photo

**DESCRIPTORS:** Legislatures and Parliaments; Politics and Government;

Taxation; Sales Tax; Rebates; Finances; Budgets and Budgeting

**PERSONAL NAMES:** Allen, Mike; Rowland, John G (Gov)

**GEOGRAPHIC NAMES:** Connecticut

**21/5/20 (Item 2 from file: 474)**

DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

01072629 NYT Sequence Number: 021773810311

Chrysler Corp chmn Lee A Iacocca indicates company is not likely to ask for further Federal aid during sales slumps. Notes company has found possible savings of about \$150 million to enable it not to ask for remaining \$300 million unused portion of \$1.5 Billion in loan guarantees authorized by Congress. Indicates company is prepared to consider selling of some of its remaining profitable properties in case of new cash pinch. Notes loan guarantees have been mixed blessing because of sales lost by publicity about Chrysler's troubles and 'exorbitant' legal fees. Predicts company will come close to breaking even in second quarter if sales do not fall

off after rebate program ends. Iacocca photo (M).)  
HOLUSHA, JOHN  
New York Times, Col. 1, Pg. 1, Sec. 4  
Wednesday March 11 1981  
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
RECORD TYPE: Abstract

SPECIAL FEATURES: Photo  
COMPANY NAMES: CHRYSLER CORP  
DESCRIPTORS: MERGERS, ACQUISITIONS; LEGAL PROFESSION; FEES, PROFESSIONAL;  
PUBLIC RELATIONS AND PUBLICITY; FORECASTS; REBATES; FINANCES;  
GOVERNMENT-GUARANTEED LOANS  
PERSONAL NAMES: HOLUSHA, JOHN; IACOCCA, LEE A

25/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01535150 ORDER NO: AAD97-08094

**VITRIFICATION OF MOUSE OOCYTES IN HIGH CRYOPROTECTANT CONCENTRATIONS:  
OSMOMETRIC BEHAVIOR AND KINETICS OF INJURY**

Author: HOTAMISLIGIL, SELEN  
Degree: PH.D.  
Year: 1996  
Corporate Source/Institution: BOSTON COLLEGE (0016)  
Source: VOLUME 57/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 6009. 95 PAGES  
Descriptors: BIOLOGY, ANIMAL PHYSIOLOGY ; ENGINEERING, BIOMEDICAL  
Descriptor Codes: 0433; 0541

Cryopreservation has developed rapidly over the past twenty years into a reliable and routine technique that can be applied to human and other mammalian embryos in early stages. In principle, there are many advantages to the storage of sperm and oocytes and, therefore, considerable attention has been given to gamete cryopreservation. However, in spite of the well known success in the freezing of sperm, mammalian oocyte freezing and thawing does not yield high numbers of normal embryos. Oocytes **present** some structural malformations and a **reduced rate** of fertilization **after** cryopreservation and thawing. Recent attempts to find a successful cryopreservation technique for oocytes have been directed to the use of vitrification by rapid cooling.

A systematic approach was taken to address mechanisms of toxic and physical injury and their effect on the developmental outcome of murine oocytes. The effects of the cryoprotectant ethylene glycol (EG) and vitrification on membrane integrity, microfilament organization and developmental potential were evaluated. During exposure to 0.5 \$-\$2 M EG, murine oocytes showed maximum shrinkage to 55.5% of the isotonic volume within the first min and reexpanded to their initial volume in approximately 15 min. Transferring oocytes to higher concentrations of EG (4-8 M EG) for 1 to 5 min after 15 min of equilibration at 2 M EG was tolerated well. Microfilament organization was normal after this equilibration period. During prolonged exposure (\$>\$5 min) to high concentrations of EG (\$>\$4 M), membrane blebs were noticed on the surface of the cells and microfilament distribution was disturbed. After treatment with 6 M EG and vitrification with 6 M EG + 0.5 M sucrose, there were no significant differences in development to the 2-cell and blastocyst stages for cryoprotectant treated, vitrified and control oocytes. These results indicate that EG is a safe and effective cryoprotectant for mouse oocyte vitrification protocols without any compromise in morphology and developmental functions.

25/5/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01513567 ORDER NO: AAD13-79913

**ATM CONGESTION CONTROL: A FAIR BACKWARD EXPLICIT CONGESTION NOTIFICATION  
SCHEME**

Author: MANIAR, ARPANA VIRAL  
Degree: M.SC.  
Year: 1996  
Corporate Source/Institution: UNIVERSITY OF LOUISVILLE (0110)  
Director: ANUP KUMAR  
Source: VOLUME 34/06 of MASTERS ABSTRACTS.  
PAGE 2402. 59 PAGES  
Descriptors: COMPUTER SCIENCE  
Descriptor Codes: 0984

Asynchronous Transfer Mode (ATM) provides a flexible means to transfer multiple types of data (such as voice, video and file) and supports various types of Quality of Services (QoSs) depending on call requirements using

high speed links. Due to high speed links, intermediate nodes (ATM switches) of an ATM network get congested resulting in cell losses and cell delay. Thus, the performance level of an ATM network degrades significantly. Hence, strategy needs to be developed that will track the network load and control congestion. A congestion control strategy has been developed in this thesis to improve the performance of the network under heavy load. It takes two actions; one is a preventive measure and the other is a reactive measure. The preventive measure tracks the link and buffer space utilization. This measure restricts the call's entry into the network beyond the preset level of link utilization. Whenever the buffer gets filled beyond a threshold point, data cells coming in are dropped based on their priority. The reactive measure monitors the buffer space and its utilization. Whenever the buffers get filled to a peak value, control cells are generated that are sent to the host computers responsible for buffer overflow. The control cells have a field set to the rate that host computer should use. The new rate set in the control cells is **based on the current** rate of the call. **After reducing the rate**, the host will not reduce it further for a period of time called the recovery period that is also based on the current call rate. After the recovery period is over, the host computer will again transmit at the previous call rate.

25/5/3 (Item 3 from file: 35)

DIALOG(R) File 35:Dissertation Abs Online

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01487165 ORDER NO: AADAA-I9617277

**DEVELOPMENT OF NITROUS OXIDE-BASED ULTRATHIN GATE AND TUNNEL DIELECTRICS FOR MOS DEVICES**

Author: LAI, KA-FAI

Degree: PH.D.

Year: 1995

Corporate Source/Institution: THE UNIVERSITY OF TEXAS AT AUSTIN (0227)

Supervisor: JACK C. LEE

Source: VOLUME 57/02-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1320. 109 PAGES

Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL ; PHYSICS,  
CONDENSED MATTER

Descriptor Codes: 0544; 0611

The use of ultrathin dielectric in the ULSI (Ultra-Large Scale Integration) era is crucial for device functionality and reliability. However, it is well known that conventional thermally grown pure oxides in the ultra-thin regime (40-60Å) do not provide adequate electrical and reliability characteristics. The use of  $\text{N}_2\text{O}$  gas in oxidation produces oxides (oxynitrides) with better dielectric integrity, lower defect density, less boron penetration and better process control, etc.. The  $\text{N}_2\text{O}$  oxide is thus a better candidate for ultrathin oxide application.

Pre-oxidation surface preparation by conventional RCA clean increases surface microroughness and provides no passivation to the wafer surface. A new cleaning method based on methanol/HF has been developed and show improvement in the dielectric integrity of both oxides and oxynitrides. A microscopic model is also proposed.

The thickness dependent of stress-induced leakage current (SILC) was studied for pure oxides and  $\text{N}_2\text{O}$  oxides. A "turn around" effect was observed such that for thickness going down from  $\sim 50\text{Å}$ , SILC actually decreases. This effect is modeled by the two-step trap-assisted tunneling model where trap generation rate and tunneling time constants are the determining factors for the SILC.

Effects of oxide exposure, photoresist and gate dopant activation on the plasma damage immunity of ultrathin oxides were studied. It was found that not only charging damage and radiation damage are present during plasma exposure, photo-annealing by low energy UV light is competing with the damaging processes. The actual extent of damage depends on the plasma operating condition. It implies that using fully-covered MOSCAP structures is not an accurate indicator of the actual damage in integrated circuits. It was also found that photoresist quality affect plasma damage and patterning gate before ion implantation can reduce charging problem. Damage

recovery effect of various RTA annealing processes is also studied.

The effects of different gate dopant species, concentration and microstructure on the electrical and reliability characteristics of ultrathin oxides and  $\text{N}_2\text{O}$  oxynitrides are studied. Optimization of the gate doping level is based on poly depletion, charge-to-breakdown, and stress-induced leakage current. The optimization conditions for  $\text{N}^+$  and  $\text{P}^+$  gate are found to be very different.

25/5/4 (Item 4 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01384104 ORDER NO: AAD94-30684

**THIN OXIDE DAMAGE BY PLASMA PROCESSING (OXIDES, ASHING)**

Author: SHIN, HYUNCHEOL

Degree: PH.D.

Year: 1993

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, BERKELEY (0028)

Chair: CHENMING HU

Source: VOLUME 55/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2936. 139 PAGES

Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL

Descriptor Codes: 0544

Plasma etching and resist ashing processes cause current to flow through the thin oxide and the resultant plasma-induced damage can be simulated and modeled as damage produced by constant current electrical stress. The oxide charging current produced by plasma processing increases with the "antenna" size of the device structure. Oxide charge measurement such as CV or threshold voltage is a more sensitive technique for characterizing plasma-processing induced damage than oxide breakdown. The oxide charging current is collected only through the aluminum surfaces not covered by the photoresist during plasma processes. Although forming gas anneal can passivate the traps generated during plasma etching, subsequent Fowler-Nordheim stressing causes more traps to be generated in these devices than in devices that have not been through plasma etching. Using the measured charging current, the breakdown voltage distribution of oxides after plasma processes can be predicted accurately. Oxide shorts density of a single large test capacitor is found to be higher than that in a multiple of separated small capacitors having the same total oxide area. This would lead to overly pessimistic oxide defect data unless care is taken.

The plasma charging stress can be quantified sensitively using differential pair circuits as well as MOSFETs. A quantitative model is developed for thin oxide plasma charging damage by examining the oxide thickness dependence of charging current. The model predicts the oxide thickness dependence of plasma charging successfully. A quantitative model of protection diodes for wafer charging effect on future thinner oxides is also presented.

25/5/5 (Item 5 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01365557 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.

**ENHANCEMENTS OF THE PROGRAM OPERATIONS OF EPROM/EEPROM BY LOW WORK FUNCTION METALS AND TRAPEZOIDAL PROGRAMMING WAVEFORMS**

Author: KONG, SIK ON

Degree: PH.D.

Year: 1994

Corporate Source/Institution: UNIVERSITY OF NEW SOUTH WALES (AUSTRALIA) (0423)

Co-supervisors: CHEE YEE KWOK; CHRIS HORWITZ

Source: VOLUME 55/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1088.

Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL



A new approach to enhance the programming characteristics of EPROM/EEPROM cell has been proposed. It is the application of low work function metals (LWFM) as the tunnelling cathode for Fowler-Nordheim (FN) tunnelling. The barrier heights for the LWFM/SiO<sub>2</sub> interfaces are lower than the normal cathode material, polysilicon or n<sup>+</sup>silicon, and therefore, larger tunnelling current can be achieved with reduced field. Potentially, faster programming speed, lower programming voltage and better oxide endurance can be achieved.

In this work, MOS structures using two LWFMs, yttrium or magnesium were fabricated and tested. The barrier heights of both structures were found to change after sintering at elevated temperatures in a N<sub>2</sub> ambient. The best result was achieved by sintering the Mg MOS structure at 260°C for 82 min. The barrier height was reduced from 2.2eV to 1.2eV, which compares favourably with the corresponding values of polysilicon (3.2eV). The maximum allowable tunnelling **current** and the **charge -to- breakdown** increased two orders of magnitude **after** sintering, reached 1A/cm<sup>2</sup> and 24C/cm<sup>2</sup> respectively. Thermochemical calculations and XPS depth profile analysis showed that the changes were due to the formation of Si rich MgO, Mg<sub>2</sub>SiO<sub>4</sub>, and MgSiO<sub>3</sub> interface layers.

For Mg/Polysilicon oxide/Polysilicon structure, the barrier height was further reduced to 0.94eV after sintering, due to the field enhancement effect of the rough polysilicon surface. An EPROM cell using this structure was successfully fabricated, and demonstrated programming capability.

A study of PECVD oxide deposited in a hollow cathode chamber, for the purpose of intergate dielectric, has been made. Different conditions to deposit the oxide with interface trapped charge/FN tunnelling characteristics near to that of the thermal oxide, have been discovered.

A trapezoidal programming waveform has been proposed. The waveform can produce a (near) constant tunnelling current during the programming operations of EPROM/EEPROM, and can therefore optimise the programming time, and the oxide endurance to repeated programming.

An improved model for the computer simulation of the erase operation of FLOTOX EEPROM has also been proposed. A previously reported anomalous current peak during the erase operation has been reproduced by simulation.

25/5/6 (Item 6 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01091340 ORDER NO: AAD90-06192

**THE IMPACT OF SFAS NO. 87 ON THE DISCOUNT RATE ASSUMPTION AND FACTORS AFFECTING DISCOUNT RATE SELECTION (SFAS NO. 87)**

Author: TODD, TERRY ADCOX

Degree: D.B.A.

Year: 1989

Corporate Source/Institution: LOUISIANA TECH UNIVERSITY (0109)

Source: VOLUME 50/10-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3287. 181 PAGES

Descriptors: BUSINESS ADMINISTRATION, ACCOUNTING

Descriptor Codes: 0272

The purpose of this study is twofold: (1) to determine the impact of Statement of Financial Accounting Standard (SFAS) No. 87 on assumed discount rates and (2) to determine if relationships exist between discount rates which are reported under SFAS No. 87 and certain firm characteristics. Discount rates are used in the actuarial computation of pension obligations and in the calculation of net periodic pension cost. SFAS No. 87 specifies that **discount** rates should be **based on current** settlement rates and suggests various external rates which may represent the settlement rates.

Tests of proportion compared the range of reported discount rates and the range of current settlement rates for the years 1984 through 1987. Results indicate that discount rates reported under the provisions of SFAS No. 87 lie within a narrower range than did discount rates reported under

prior standards.

Average discount rates and average settlement rates are also analyzed. Test results indicate that average discount rates have significantly changed and have apparently moved toward average settlement rates.

Changes in discount rates were analyzed to determine if changes were related to the net pension position. No correlation was found between the two variables.

Discount rates were further tested to determine if relationships exist with various proxies for political visibility and bond covenants. Results of regression analysis indicate possible relationships between discount rates and two variables--industrial classification and the ratio of long-term debt to assets. However, the model is weak and does not adequately explain the discount rate selection process.

The findings of this study suggest that firms are abiding by the settlement rate guidelines and are selecting discount rates based on estimated settlement rates. Furthermore, the settlement rate guidelines prescribed by SFAS No. 87 do not appear to encourage liability manipulation by allowing flexibility in discount rate selection. Observed changes in the discount rate are not related to the net pension position. Other factors which may affect discount rate selection could not be adequately identified.

25/5/7 (Item 7 from file: 35)

DIALOG(R) File 35:Dissertation Abs Online

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809256 ORDER NO: AAD83-08877

**DECREASING PREMATURE TERMINATION FROM PSYCHOTHERAPY VIA AN IMAGINATION/EXPLANATION PROCEDURE**

Author: SHERMAN, ROBERTA TRATTNER

Degree: PH.D.

Year: 1982

Corporate Source/Institution: INDIANA UNIVERSITY (0093)

Source: VOLUME 43/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4200. 71 PAGES

Descriptors: PSYCHOLOGY, SOCIAL

Descriptor Codes: 0451

The **present** study tested a procedure for **reducing dropout rates** from psychotherapy. This procedure is **based on** research which finds that once a subject explains or imagines a hypothetical future behavior the subjective and actual likelihood of that behavior are increased. Thus, in the present study, incoming patients imagined and explained why they (hypothetically) remained in therapy for four sessions. Seventy adult patients seeking therapy at a community mental health center participated in the project immediately before their intake appointment. Two experimental groups imagined and explained staying in therapy for four sessions; one of them also stated expectations for attending therapy. The control group imagined and explained an irrelevant event but received straightforward information regarding the importance of attendance. All patients were randomly assigned to the above three conditions. In addition, dropout rates of 62 additional clients were obtained from their charts and comprised a "historical base rate group". The hypothesis that clients who imagined and explained staying in therapy for four sessions would have lower dropout rates was supported. For the experimental group, 18.2% dropped out of treatment early whereas 42.9% of the control group did so. The mechanism by which the imagination/explanation procedure works was addressed. It was found that the decrease in dropout rates was not due to information that subjects received stating the importance of staying in therapy. Subjects who were told that attending four sessions of therapy was important for attaining benefits dropped out of therapy more than subjects who participated in the imagination/explanation procedure. It was argued that the decrease was due to the effect of the imagination/explanation task on the ease with which subjects could bring to mind reasons for staying in therapy. A final hypothesis examined the role of expectations. This hypothesis proposed that clients who state their expectations for attending therapy after having already imagined and explained doing so would have

even lower dropout rates. This hypothesis was not supported by the data. Theoretical and practical implications, as well as alternative explanations for the findings, are discussed.

25/5/8 (Item 8 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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748909 ORDER NO: AAD81-15384

**TECHNOLOGY AND ORGANIZATION: STEEL RAIL INNOVATION AND RAILROAD  
SURVIVORSHIP IN THE AMERICAN MANUFACTURING REGION, 1860-1890**

Author: MARPLE, DAVID PAUL

Degree: PH.D.

Year: 1981

Corporate Source/Institution: UNIVERSITY OF CINCINNATI (0045)

Source: VOLUME 42/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 402. 141 PAGES

Descriptors: SOCIOLOGY, DEMOGRAPHY

Descriptor Codes: 0938

The structure of organization in human ecology is a manifestation of its interdependency with an environment. The environment is mediated by the technology chosen by an organization. In this research, the organizational-environmental interdependency is examined through organizational adaptation (survivorship) made possible by technological innovation. The operation of the railroad during part of the 19th century in the manufacturing belt of the United States is used to illustrate this relationship.

Railroads in the manufacturing belt were studied to see if a technological element was crucial to the successful adaptation of some railroads over other railroads. The technological element of considerable prominence was the steel rail. Since technological elements never work in a vacuum, other ecological factors were considered. The internal structure of the railroad was assumed to provide barriers which prohibited entry of new railroads into the rail network of 19th century America and allowed existing railroads to adopt new technical and administrative measures. The size of a railroad (measured by total track in operation) and age of a railroad (measured by date of first rail construction) were used to represent these structural manifestations of organization. The technological variable was measured by two indicators: date of first steel rail use and the percentage of total track in steel by 1880.

We expect that the railroads which innovated sooner and more extensively with steel track will be most likely to have adapted or survived by 1890. Larger sized and older railroads will even more likely be survivors by 1890.

The analysis was conducted on data gathered from the U.S. Census of Internal Transportation (1880) and several volumes of Poor's Manual of railroad investment (1868-1900). Two samples of U.S. railroads were formed, a sample of railroads with dates given for first steel rail construction and a sample of railroads representing the framework of the New England area of the manufacturing belt. Findings from these samples gave some proof that age and size of a railroad, and to a certain extent, the innovation of the steel rail contributed to survivorship of a railroad. Survivorship differentials between older, established railroads (built before 1866) and younger railroads (built after 1865) were more pronounced than for railroads of large size (more than 50 miles of track) and small size. Furthermore, date of steel rail innovation was far more important on survivorship status than extent of innovation (amount of total track in steel).

Since freight rates underwent significant reduction during the period in which railroads increased their operating efficiency, an analysis was conducted on a small sample of railroads located throughout the United States to see if there was a relationship between freight rate reduction and the introduction of the steel rail. No relationship was found in the long term rate reduction, but the greatest average rate reduction did occur immediately after introduction of the steel rail.

25/5/9 (Item 1 from file: 583)  
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09110033

Winners and losers in new tax regime  
UK: SHAKE-UP IN COMPANY CAR TAX REGIME  
Fleet News (FTN) 21 May 1999 p.15  
Language: ENGLISH

The new company car tax regime will create winners and losers when introduced in 2002. The new system will be based on a percentage of a car's list price, graduated by carbon dioxide emissions per kilometre rather than the drivers' annual mileage. Drivers who **currently qualify** for the maximum tax **discount** because they cover 18,000 miles will have to drive one of the cleanest cars just to remain tax neutral. Those who drive 2,500 to 18,000 business miles a year will notice little change although it will favour lower medium cars. The company car holders who drive less than 2500 business miles will be no worse which ever car they drive and possibly making substantial benefits.

EVENT: Taxation (92);  
COUNTRY: United Kingdom (4UK);

25/5/10 (Item 2 from file: 583)  
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09081588

OUB fires salvo in home loan battle  
SINGAPORE: OUB CUTS HOME LOAN RATES AGAIN  
The Straits Times (XBB) 26 Mar 1999 p.80  
Language: ENGLISH

Overseas Union Bank (OUB) of Singapore has again slashed its home loan rates. The new rates, which take effect from 25 March 1999, are now pegged to the bank's prime rate, which is 5.5% currently. Prior, the promotional rates were **based on a discount** to board rates. OUB **now** offers a promotional rate of 4% for the first year, 5% for the second year, 5.5% for the third and 5.75% for the fourth year. It is the first bank to offer rates below 6% in the fourth year for mortgages on owner-occupied properties. OUB's move is expected to start a new round of home loans war among other banks.

COMPANY: OUB; OVERSEAS UNION BANK

PRODUCT: Other Long-Term Rates (E5618); Retail Banking Services (6006);  
Mortgage Bankers & Brokers (6160); Private Debt (E5650);  
EVENT: Commodity & Service Prices (72); Planning & Information (22);  
COUNTRY: Singapore (9SIN);

25/5/11 (Item 3 from file: 583)  
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09015617

Faster, cheaper to get funds via rights issues  
SINGAPORE: RECOMMENDATIONS FOR RIGHTS ISSUES  
The Straits Times (XBB) 10 Nov 1998 p.49  
Language: ENGLISH

The Corporate Finance Committee set up by the Singapore government has suggested that companies planning rights issues eliminate the shareholders'

approval process. Companies usually take about three to four weeks to get their shareholders' approval for rights issues but if that can be eliminated, the time taken for a rights issue would be slashed by a hefty 30-40%. The Committee has also suggested capping the discount on placement shares at 10% from the **current** share price. **Currently**, the **discount** is 5% and it is **based** on the last done price. The government has agreed to all of the Committee's recommendations.

PRODUCT: Securities & Commodities Exchanges (6230); Securities Dealers (6211); Debt & Equity Securities (E5640);  
EVENT: Government Regulations (93);  
COUNTRY: Singapore (9SIN);

25/5/12 (Item 4 from file: 583)

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06657905

BICC says manufacturing close to meltdown

UK: MPC UNDER FIRE OVER CURRENT POLICY

The Times (TS) 17 Jul 1998 p. 27

Language: ENGLISH

Current Monetary Policy Committee (MPC) has been criticised by the British Chambers of Commerce (BCC) which noted on 16 July 1998 that too much emphasis was being placed average earnings by the former and that the group is made up of too many academics and not enough economics. The BCC revealed that manufacturing exports reached a record low in its quarterly study of 9,000 firms and that the UK is close to meltdown in this industry. It noted too that exports in the service sector are at their worst level since 1992 when the UK was in recession and that domestic sales and orders are at a low not attained since <1995>. BCC Deputy Director-General, Ian Peters, says that the MPC must **now** decide whether to **reduce** interest **rates** **after** a succession of increases. The BCC noted that there has been some easing of wage settlements but that recruitment problems among firms is on the increase.

COMPANY: BRITISH CHAMBERS OF COMMERCE; MONETARY POLICY COMMITTEE  
PRODUCT: Production & Business Activity (E4000); Economic Programmes (9108);  
EVENT: null (00);  
COUNTRY: United Kingdom (4UK);

25/5/13 (Item 5 from file: 583)

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06588716

Milk Marque forced to cut prices

UK: PRICE REDUCTION MOVE BY MILK MARQUE

Financial Times (FT) 20 Feb 1998 p. 25

Language: ENGLISH

Milk prices were reduced by Milk Marque to 19.01p per litre from 20.4p per litre on 19 February 1998 following three unsuccessful auctions for contracts starting on 1 April 1998. The latest auction by the UK-based farmers' co-operative, which deals with 42% of milk in the UK, led to another failed bid for over 90% of milk by processors. A further recovery in profit margins among processors is **now** likely **after** this latest **price reduction**.

(c) Financial Times 1998

COMPANY: MILK MARQUE

PRODUCT: Fluid Milk & Cream (2026);

EVENT: Commodity & Service Prices (72);

COUNTRY: United Kingdom (4UK);

25/5/14 (Item 6 from file: 583)  
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06496250

Leo Systems holds sale

TAIWAN: LEO SYSTEMS INC. HOLDS SALE  
The China Post (XKV) 16 Jul 1997 p.14  
Language: ENGLISH

Taiwan's Leo Systems Inc. announced a special sale on its wide range of notebook models with discounts ranging from NT\$6,000 to NT\$10,000. The DESIGNote 5200 based on Pentium MX166 offers the largest discount. It now sells for NT\$91,900 (price in May 1997 NT\$105,000), a price difference of NT\$13,000. \*

PRODUCT: Laptop Computers (3573LC);  
EVENT: Marketing Procedures (24);  
COUNTRY: Taiwan (9TAI);

25/5/15 (Item 7 from file: 583)  
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06166179

Mehr Kuunden ohne Bertaung als erwartet

GERMANY: DIREKT ANLAGE BANK - ONE-YEAR REVIEW  
Frankfurter Allgemeine Zeitung (FA) 16 Jun 1995 p.18  
Language: GERMAN

Direkt Anlage Bank (DAB), a subsidiary of German Bayerische Hypotheken- und Wechsel-Bank, is taking stock one year after its market entry. Currently, Germany's first discount broker counts 14,000 customers and boasts an investment volume of DM 900mn. The company offers securities operations at favourable prices, consulting excluded. In addition to German shares, funds and options, DAB also provides for access to the US stock market. According to DAB, no more than 5% of its customers stem from the parent. In general, the Hypo group gained new customers through the new offers.

COMPANY: BAYERISCHE HYPOTHEKEN- UND WECHSEL-BANK; DIREKT ANLAGE BANK

PRODUCT: Securities & Commodities Exchanges (6230); Securities Dealers (6211); Debt & Equity Securities (E5640); Retail Banking Services (6006); Clearing Banks (6010CB); Commercial Banks (6020);  
EVENT: Company Reports & Accounts (83);  
COUNTRY: Germany (4GER);

25/5/16 (Item 8 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06096329

Vanity-care shop rides on price discount concept

MALAYSIA: B&N OFFERS DESIGNER FRAGRANCE  
The Star (XAT) 31 Dec 1994 Business, p.7  
Language: ENGLISH

B&N Frangrances & Cosmetics Sdn Bhd, a vanity-care shop, is offering some designer fragrance brands namely Tribu and Colors by Benetton, as well as the popular skincare brand Onagraine. B&N will sell its skincare, cosmetics and perfumes products based on price discount concept. Currently located at Sungei Wang Plaza, Kuala Lumpur, B&N plans to open another four new outlets in the Klang Valley in 1995 on top of its existing 16 stores in

Singapore. Each stores require investment around RM 300,000 to RM 400,000.

COMPANY: B&N FRAGRANCES & COSMETICS

PRODUCT: Wholesale Trade (5000); Toiletries (2844); Perfumery (2844PJ);

EVENT: Planning & Information (22); Marketing Procedures (24);

COUNTRY: Malaysia (9MAO);

25/5/17 (Item 9 from file: 583)

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06052060

Dansk isoleringssucces

DENMARK: ROCKWOOL INSULATION PRODUCT A SUCCESS

Erhvervs-Bladet (XSZ) 20 Sep 1994 p. 13

Language: DANISH

Flexi A-Batts", the second generation of "A-Batts" of Rockwool, has been highly successful. Introduced in 1993, "Flexi A-Batts" has become the bestselling insulation product in Denmark after an intensive marketing campaign. The product's competitive advantage is based on its flexibility and ability to reduce the storage charges of the distributor. Rockwool is now planning to launch "Flexi A-Batts" on the German market. It has already been successfully introduced in Sweden and Norway.

COMPANY: A-BATTS; FLEXI A-BATTS; ROCKWOOL

PRODUCT: Insulation Work (1742IW); Mineral Insulation (3296);

EVENT: Product Design & Development (33); Companies Activities (10);

Marketing Procedures (24);

COUNTRY: Denmark (4DEN); Germany (4GER); Scandinavia (5SC);

25/5/18 (Item 10 from file: 583)

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06004361

Bundestag beschliesst Aufhebung des Rabattgesetzes

GERMANY: LAW ON REBATES TO BE ABOLISHED

Frankfurter Allgemeine Zeitung (FA) 17 Jun 1994 p.11

Language: GERMAN

Following agreement on abolishment of the law on rebates by the Bundestag, the lower house of German parliament, the Bundesrat or upper house is to deal with the subject in July 1994. The Bundesrat is expected to refuse the draft. Should this case occur, the Bundestag has the possibility to vote down the refusal in September 1994. Consumers will therefore be allowed to unrestrictedly negotiate rebates when shopping even before the federal elections will take place later in 1994. The current law restricts the granting of rebates to cash payment and to no more than 3% of the purchasing amount. As against the first draft, the current version bans rebates based on annual and total turnovers by big store operators (except for commercial consumers and wholesale buyers). Thus, small and medium sized businesses are to be better protected. The oppositional Social Democrats (SPD) are opposing abolishment of the current rebate law as they fear development of bazaar bargaining methods in retail trade. German economics minister Guenter Rexrodt (FDP) is in favour of the reform arguing that the current regulation impedes competition and meddles with consumer rights.

PRODUCT: Economic Programmes (9108); Retail Trade (5200);

EVENT: Government Regulations (93); National Government Economics (94);

COUNTRY: Germany (4GER);

25/5/19 (Item 11 from file: 583)  
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05834438  
Markte reagieren positiv auf die Leitzinssenkung  
GERMANY - BUNDESBANK LOWERS KEY RATES  
Handelsblatt (HT) 23 April 1993 p15  
ISSN: 0017-7296  
Language: German

The central bank council of the German Bundesbank has decided to **reduce** key **rates** **after** all. With **immediate** effect, the **discount rate** was **reduced** from 7.5% to 7.25%, the lombard rate from 9% to 8.5%. In his commentary, Fritz Kral explains the reasons for this decision. Among other aspects, recession in Germany is deepening, and therefore the government must increase borrowing to finance higher spending.

PRODUCT: Interest Rates (E5610);  
EVENT: ECONOMIC INDICES & STATISTICS - NATIONAL (08);  
COUNTRY: Germany (4GER); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420);

25/5/20 (Item 12 from file: 583)  
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04730259  
Wholesalers turn down PSNC discount proposal  
UK - BAPW REJECTS LOWERING DISCOUNT PLAN  
Chemist & Druggist (CTD) 14 December 1991 p989  
ISSN: 0009-3033

The British Assn of Pharmaceutical Wholesalers has rejected plans for its members to lower discount levels so the customer does not lose out in Glaxo's planned agency distribution scheme in January 1992. However, a discount inquiry is forecast for **after** April 1992. Glaxo **currently** gives wholesalers a 12.5% **discount**. The extended article looks at the issue in more detail.

COMPANY: GLAXO

PRODUCT: Chemists & Drug Stores (5912);  
EVENT: DISTRIBUTION/LICENSING AGREEMENTS (38);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

25/5/21 (Item 13 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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04492351  
Hinckley and Rugby Building Society Discount mortgage  
UK - HINCKLEY & RUGBY BS OFFERS DISCOUNT MORTGAGE  
Financial Adviser (FLA) 29 August 1991 p12

A mortgage offering a discount of 1.25% off the base rate for 12 months is available from Hinckley & Rugby Building Society. Borrowers can now receive a mortgage with a starting rate of 10.7%, and after 12 months the rate goes back to the society's standard variable rate, **currently** 11.95%. The **discount** is **conditional** on building and contents insurance being taken out with Hinckley & Rugby, and there is a 90% maximum loan to value ratio. Income multiples are set at 2.75 times joint earnings or 3 times the main income plus the second income.



COMPANY: HINCKLEY & RUGBY BUILDING SOCIETY

PRODUCT: Building Societies (6120); Mortgage Bankers & Brokers (6160);  
EVENT: NEW SERVICE EXTENSION (36);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

25/5/22 (Item 14 from file: 583)

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04028364

HOUSE PRICES TO RISE IN SOUTH FIRST

UK - HOUSE PRICES TO RISE IN SOUTH FIRST

Independent (TI) 12 January 1991 p37

House prices in London and the South-east will be the first to rise in 1991, by some 10%, according to the Nationwide Building Society. For the rest of the UK, average house price rises will be around half the 10% level. However, these forecasts are dependent on a **reduction** in interest **rates** and no emergence from the **present** slowdown is expected until **after** spring 1991.

PRODUCT: Building Societies (6120); Mortgage Bankers & Brokers (6160);  
Estate Agents, Brokers, Managers (6530);  
EVENT: MARKET & INDUSTRY NEWS (60);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

25/5/23 (Item 15 from file: 583)

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01210314

AUDIO-VIDEO DISCOUNT RETAILERS FACING PROBLEMS

US - AUDIO-VIDEO DISCOUNT RETAILERS FACING PROBLEMS

Fortune International (FI) 3 August 1987 p81  
ISSN: 0738-5587

Audio-Video appliance **discount** retailers in the US are **currently** facing problems, **after** a period when annual growth was over 25%. However, in 1986, sales of electronic gadgets had slowed to around 10% while the top ten discounters had increased their store space by more than 25%. Revenue growth in 1987 is expected to be 5%, leading to a fall in profits for the discounters; in 1986, earnings of Highland Superstores, the second largest of the national chains, fell 15% while Federated Group, the fourth largest discounter, lost \$5m.

PRODUCT: Video Equipment (3651VE); Audio Equipment (3652AE); Household  
Appliance Stores (5722);  
EVENT: MARKET & INDUSTRY NEWS (60);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);

25/5/24 (Item 16 from file: 583)

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00028029

MANAGEMENT TRAINING TO BE COORDINATED EFFICIENTLY

UK - MANAGEMENT TRAINING TO BE COORDINATED EFFICIENTLY

Financial Times (C) 1991 (FT) 14 January 1986 p16

The govt is expected to reveal its new approach to training for small businesses within several months. Ideas at **present** includes a **voucher**

system for people who **qualify** for the Enterprise Allowance Scheme.  
Copyright: Financial Times Ltd 1991

PRODUCT: Computer Training (7370CT); Computer Services (COSV);  
EVENT: PLANT/FACILITIES/EQUIPMENT (44);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

25/5/25 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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7351341 INSPEC Abstract Number: A2002-19-7220J-003  
**Title: Electron transport behaviour in Nb-doped SrTiO/sub 3/ bicrystals**  
Author(s): Yamamoto, T.; Ikuhara, Y.  
Author Affiliation: Eng. Res. Inst., Univ. of Tokyo, Japan  
Journal: Journal of Electron Microscopy Conference Title: J. Electron.  
Microsc. (UK) vol.50, no.6 p.485-8  
Publisher: Oxford University Press,  
Publication Date: 2001 Country of Publication: UK  
CODEN: JELJA7 ISSN: 0022-0744  
SICI: 0022-0744(2001)50:6L:485:ETBD;1-2  
Material Identity Number: G201-2002-001  
Conference Title: Eighth Conference on Frontiers of Electron Microscopy  
in Materials Science  
Conference Date: 13-17 Nov. 2000 Conference Location: Shimane, Japan  
Language: English Document Type: Conference Paper (PA); Journal Paper  
(JP)  
Treatment: Experimental (X)

Abstract: In order to elucidate the relationship between electron transport behaviour and defect chemistry, grain boundary structure and current-voltage characteristics across the boundary were investigated for Nb-doped SrTiO/sub 3/ bicrystals. Two kinds of boundaries, i.e. small angle and random boundaries, were prepared for 0.2 at% and 1.0 at% Nb-doped SrTiO/sub 3/. The bicrystals were prepared by joining two single crystals at 1400 degrees C for 10 h under a pressure of 0.4 MPa in air. High-resolution transmission electron microscopy (HRTEM) study revealed that all of the joined boundaries are free from any secondary phases or amorphous films. on the other hand, it was found that non-linearity in **current** -voltage dependence becomes remarkable by **reduction** of cooling **rate** after joining in small angle boundaries of 0.2 at% Nb-doped SrTiO/sub 3/ bicrystal. In addition, the random boundary of 1.0 at% Nb-doped SrTiO/sub 3/ bicrystal exhibits clear alpha =2 I-V relation, which appears across a contact of semiconductor-insulator-semiconductor (n-i-n). From the results of HRTEM study and I-V behaviours, it could be concluded that the electron transport mechanism is controlled mainly by defect chemistry and not by the grain boundary structure. (13 Refs)

Subfile: A

Descriptors: bicrystals; electron mobility; ferroelectric ceramics; grain boundaries; niobium; strontium compounds; transmission electron microscopy

Identifiers: electron transport behaviour; defect chemistry; grain boundary structure; current-voltage characteristics; SrTiO/sub 3/:Nb bicrystals; small angle boundaries; random boundaries; transmission electron microscopy; secondary phases; amorphous films; semiconductor-insulator-semiconductor; 1400 C; 10 h; 0.4 MPa; SrTiO/sub 3/:Nb

Class Codes: A7220J (Charge carriers: generation, recombination, lifetime, and trapping (semiconductors/insulators)); A7780 (Ferroelectricity and antiferroelectricity); A7220F (Low-field transport and mobility; piezoresistance (semiconductors/insulators)); A7280S (Electrical conductivity of insulators); A6170N (Grain and twin boundaries)

Chemical Indexing:

SrTiO3:Nb ss - SrTiO3 ss - TiO3 ss - Nb ss - O3 ss - Sr ss - Ti ss - O ss - Nb el - Nb dop (Elements - 3,1,4)

Numerical Indexing: temperature 1.67E+03 K; time 3.6E+04 s; pressure 4.0E+05 Pa

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25/5/26 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
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7339512 INSPEC Abstract Number: B2002-09-2570A-030

**Title: Effect of barium contamination on gate oxide integrity in high-k DRAM**

Author(s): Boubekur, H.; Mikolajick, T.; Bauer, A.; Frey, L.; Ryssel, H.  
Author Affiliation: Infineon Technol., Munich, Germany  
Journal: Journal of Non-Crystalline Solids Conference Title: J. Non-Cryst. Solids (Netherlands) vol.303, no.1 p.12-16  
Publisher: Elsevier,  
Publication Date: May 2002 Country of Publication: Netherlands  
CODEN: JNCSBJ ISSN: 0022-3093  
SICI: 0022-3093(200205)303:1L.12:EBCG;1-D  
Material Identity Number: J120-2002-008  
U.S. Copyright Clearance Center Code: 0022-3093/02/\$22.00  
Conference Title: High-k Gate Dielectrics.E-MRS 2001 Spring Meeting Symposium Q  
Conference Date: 5-8 June 2001 Conference Location: Strasbourg, France  
Document Number: S0022-3093(02)00957-2  
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Experimental (X)

Abstract: Barium impact on the gate oxide breakdown was studied using E-ramp and constant **current** stress (CCS) **charge** to **breakdown**. Wafers were contaminated with Ba **after** a 7.5 nm gate oxide growth and 300 nm polysilicon deposition. The measurements were done on capacitors having areas of 0.1, 1, 4, and 16 mm<sup>2</sup>. Up to a contamination level of 4\*10<sup>14</sup>/sup 14/ atoms/cm<sup>2</sup>/ no degradation in oxide integrity was observed either by E-ramp or CCS. Time of flight (TOF) SIMS measurement of the Ba diffusion profile at 800 degrees C shows a diffusion of Ba over distances of some tens of nanometers, thus Ba does not reach the gate oxide region. The effect on gate oxide breakdown can be correlated with the slow diffusion of Ba in poly-Si. Therefore, no major concern of yield and reliability due to Ba contamination is seen for the integration of Ba containing dielectrics into memories. (6 Refs)

Subfile: B

Descriptors: barium; DRAM chips; elemental semiconductors; integrated circuit reliability; integrated circuit testing; integrated circuit yield; MOS capacitors; semiconductor device breakdown; silicon

Identifiers: E-ramp; constant current stress; breakdown; Ba contamination ; 7.5 nm gate oxide growth; 300 nm polysilicon deposition; capacitors; degradation; oxide integrity; ToF SIMS measurement; Ba diffusion profile; 800 degrees C; diffusion; yield; reliability; Ba dielectrics; current-voltage curves; 7.5 nm; 800 C; 300 nm; Si:Ba

Class Codes: B2570A (Semiconductor integrated circuit design, layout, modelling and testing); B1265D (Memory circuits); B2530F (Metal-insulator-semiconductor structures); B2550 (Semiconductor device technology)

Chemical Indexing:

Si:Ba int - Ba int - Si int - Si:Ba bin - Ba bin - Si bin - Ba el - Si el - Ba dop (Elements - 1,1,2)

Numerical Indexing: size 7.5E-09 m; temperature 1.07E+03 K; size 3.0E-07

m

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25/5/27 (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6639524 INSPEC Abstract Number: B2000-08-2550E-043

**Title: Plasma-induced charging damage in ultrathin (3-nm) gate oxides**

Author(s): Chi-Chun Chen; Horng-Chih Lin; Chun-Yen Chang; Mong-Song Liang ; Chao-Hsin Chien; Szu-Kang Hsien; Tiao-Yuan Huang; Tien-Sheng Chao

Author Affiliation: Inst. of Electron., Nat. Chiao Tung Univ., Hsinchu, Taiwan

Journal: IEEE Transactions on Electron Devices vol.47, no.7 p. 1355-60

Publisher: IEEE,

Publication Date: July 2000 Country of Publication: USA

CODEN: IETDAI ISSN: 0018-9383

SICI: 0018-9383(200007)47:7L:1355:PIDC;1-F

Material Identity Number: I037-2000-007

U.S. Copyright Clearance Center Code: 0018-9383/2000/\$10.00

Document Number: S0018-9383(00)04254-4

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

**Abstract:** Plasma-induced damage in various 3-nm-thick gate oxides (i.e., pure oxides and N/sub 2/O-nitrided oxides) was investigated by subjecting both nMOS and pMOS antenna devices to a photoresist ashing step **after** metal pad definition. Both **charge -to- breakdown** and gate leakage **current** measurements indicated that large leakage current occurs at the wafer center as well as the wafer edge for pMOS devices, while only at the wafer center for nMOS devices. These interesting observations could be explained by the strong polarity dependence of ultra thin oxides in charge-to-breakdown measurements of nMOS devices. In addition, pMOS devices were found to be more susceptible to charging damage, which can be attributed to the intrinsic polarity dependence in tunneling current between nand p-MOSFETs. More importantly, our experimental results demonstrated that stress-induced leakage current (SILC) caused by plasma damage can be significantly suppressed in N/sub 2/O-nitrided oxides, compared to pure oxides, especially for pMOS devices. Finally, nitrided oxides were also found to be more robust when subjected to high temperature stressing. Therefore, nitrided oxides appear to be very promising for reducing plasma charging damage in future ULSI technologies employing ultrathin gate oxides. (27 Refs)

Subfile: B

Descriptors: leakage currents; MOSFET; nitridation; semiconductor device breakdown; sputter etching; surface charging; tunnelling

Identifiers: plasma induced charging damage; ultrathin gate oxide; N/sub 2/O nitridation; photoresist ashing; charge-to-breakdown; pMOS antenna device; nMOS antenna device; stress induced leakage current; high temperature stress; ULSI technology; tunneling current; MOSFET; 3 nm

Class Codes: B2550E (Surface treatment (semiconductor technology)); B2560R (Insulated gate field effect transistors)

Numerical Indexing: size 3.0E-09 m

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25/5/28 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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6422300 INSPEC Abstract Number: B2000-01-6150-006

**Title: A fair backward explicit congestion control scheme for ATM network**

Author(s): Kumar, A.; Maniar, A.; Elmaghraby, A.S.

Author Affiliation: Dept. of Eng. Math. & Comput. Sci., Louisville Univ., KY, USA

Conference Title: Proceedings IEEE International Symposium on Computers and Communications (Cat. No.PR00250) p.452-7

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1999 Country of Publication: USA xi+486 pp.

ISBN: 0 7695 0250 4 Material Identity Number: XX-1999-02042

U.S. Copyright Clearance Center Code: 0 7695 0250 4/99/\$10.00

Conference Title: Proceedings IEEE International Symposium on Computers and Communications

Conference Sponsor: IEEE Commun. Soc.; IEEE Comput. Soc

Conference Date: 6-8 July 1999 Conference Location: Red Sea, Egypt

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

**Abstract:** A congestion control strategy has been developed in this paper to improve the performance of the network under heavy load. It takes two

actions; one is a preventive measure and the other is a reactive measure. The preventive measure tracks the link and buffer space utilization. This measure restricts the call's entry into the network beyond the preset level of link utilization. Whenever the buffer gets filled beyond a threshold point, data cells coming in are dropped based on their priority. The reactive measure monitors the buffer space and its utilization. Whenever the buffers get filled to peak value, control cells are generated and are sent to the host computers responsible for buffer overflow. The control cells have a field set to the rate that the host computer should use. The new rate set in the control cells is based on the current rate of the call. After reducing the rate, the host will not reduce it further for a period of time called the recovery period that is also based on the current call rate. After the recovery period is over, the host computer will again transmit at the previous call rate. (7 Refs)

Subfile: B

Descriptors: asynchronous transfer mode; buffer storage; telecommunication congestion control

Identifiers: fair backward explicit congestion control; ATM network; preventive measure; reactive measure; buffer space utilization; link utilization; threshold point; buffer space; control cells; buffer overflow; recovery period; current call rate

Class Codes: B6150 (Communication system theory)

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25/5/29 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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6393559 INSPEC Abstract Number: A1999-23-2940-078, B1999-12-7420-063

Title: Radiation damage studies of multi-guard ring p-type bulk diodes

Author(s): Bortoletto, D.; Bolla, G.; Guenther, M.; Grim, G.P.; Lander, R.L.; Willard, S.; Li, Z.

Author Affiliation: Dept. of Phys., Purdue Univ., West Lafayette, IN, USA

Journal: Nuclear Instruments & Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment)

Conference Title: Nucl. Instrum. Methods Phys. Res. A, Accel. Spectrom. Detect. Assoc. Equip. (Netherlands) vol.435, no.1-2 p.178-86

Publisher: Elsevier,

Publication Date: 1 Oct. 1999 Country of Publication: Netherlands

CODEN: NIMAER ISSN: 0168-9002

SICI: 0168-9002(19991001)435:1/2L:178:RDSM;1-F

Material Identity Number: G700-1999-033

U.S. Copyright Clearance Center Code: 0168-9002/99/\$20.00

Conference Title: 7th International Workshop on Vertex Detectors (Vertex'98)

Conference Date: 28 Sept.-4 Oct. 1998 Conference Location: Santorini, Greece

Document Number: S0168-9002(99)00438-6

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P); Experimental (X)

Abstract: Several diodes with different multi-guard ring structures were fabricated from 10 k Omega cm p-type bulk material. Studies on the performance of such devices are presented here. They include the measurement of the leakage current, breakdown voltage and charge collection efficiency before and after 2\*10/sup 14/ p/cm/sup 2/ irradiation with 63.3 MeV kinetic protons. (20 Refs)

Subfile: A B

Descriptors: position sensitive particle detectors; proton effects; semiconductor diodes; silicon radiation detectors

Identifiers: radiation damage; multiguard ring p-type bulk diodes; leakage current; breakdown voltage; charge collection efficiency; proton damage; 63.3 MeV; Si

Class Codes: A2940P (Semiconductor detectors); A6180J (Ion beam effects); A2940T (Position sensitive detectors); B7420 (Particle and radiation detection and measurement); B2560H (Junction and barrier diodes); B2550R (Radiation effects on semiconductor devices)

Chemical Indexing:  
Si int - Si el (Elements - 1)  
Numerical Indexing: electron volt energy 6.33E+07 eV  
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25/5/30 (Item 6 from file: 2)  
DIALOG(R)File 2:INSPEC  
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5725961 INSPEC Abstract Number: A9723-7460M-003

**Title: The effects of high-energy ions irradiation on high-temperature superconductors**

Author(s): Shi Airu  
Author Affiliation: Dept. of Phys., Qingdao Univ., Shandong, China  
Journal: Journal of Qingdao University Conference Title: H. Qingdao Univ. (China) suppl.issue p.315-20  
Publisher: Qingdao Univ,  
Publication Date: 1997 Country of Publication: China  
CODEN: QDXKF9 ISSN: 1006-1037  
SICI: 1006-1037(1997)+L.315:EHEI;1-O  
Material Identity Number: D476-97005  
Conference Title: Tenth National Conference of Nuclear Physics  
Conference Date: Aug. 1997 Conference Location: Qingdao, China  
Language: Chinese Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: General, Review (G); Experimental (X)

Abstract: In this article, we review the magnetic properties and the effects of high-energy ions irradiation on magnetic relaxation and critical current density in high-temperature superconductors. Well defined columnar defects created by high-energy ions provide maximum possible pinning of flux lines, stop flux lines motion. So the relaxation **rate** is **reduced** significantly, the critical **current** density is increased **after** irradiation. (14 Refs)

Subfile: A

Descriptors: critical current density (superconductivity); flux flow; flux pinning; high-temperature superconductors; ion beam effects; magnetic susceptibility

Identifiers: high-energy ions irradiation; high-temperature superconductors; magnetic properties; magnetic relaxation; critical current density; columnar defects; flux lines pinning; flux lines motion

Class Codes: A7460M (Material effects on T/sub c, K, critical currents in type-II superconductors); A7470V (Perovskite phase superconductors); A6180J (Ion beam effects); A7460G (Flux pinning, flux motion, fluxon-defect interactions); A7460J (Critical currents in type-II superconductors); A7430C (Superconductor magnetization curves, Meissner effect, penetration depth)

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25/5/31 (Item 7 from file: 2)  
DIALOG(R)File 2:INSPEC  
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5606510 INSPEC Abstract Number: A9714-9260-042

**Title: Heterogeneous reactions on stratospheric background aerosols, volcanic sulfuric acid droplets, and type I polar stratospheric clouds: effects of temperature fluctuations and differences in particle phase**

Author(s): Borrmann, S.; Solomon, S.; Dye, J.E.; Baumgardner, D.; Kelly, K.K.; Chan, K.R.

Author Affiliation: Inst. fur Phys. der Atmosphere, Johannes Gutenberg Univ., Mainz, Germany

Journal: Journal of Geophysical Research vol.102, no.D3 p.3639-48

Publisher: American Geophys. Union,

Publication Date: 20 Feb. 1997 Country of Publication: USA

CODEN: JGREA2 ISSN: 0148-0227

SICI: 0148-0227(19970220)102:D3L.3639:HRSB;1-F

Material Identity Number: J047-97020

Abstract: Northern hemispheric ER-2 (NASA) data from stratospheric aerosol measurements during background conditions, periods disturbed by the influence of Mount Pinatubo, and polar stratospheric cloud (PSC) type I events are used to study the heterogeneous reactions of ClONO/sub 2/ with H/sub 2/O and of HOCl and ClONO/sub 2/ with HCl in comparison to the gas phase reaction rate of OH with HCl. To calculate the reaction rates, the measured data of pressure, temperature, water vapor, and aerosol surface are utilized together with recent laboratory results for the heterogeneous reactive uptake coefficients. Because observations are limited, the mixing ratios of the gas phase species entering these rate calculations (i.e., ClONO/sub 2/, HOCl, HCl, and N/sub 2/O/sub 5/) are taken from a two-dimensional model. It is found that in dense volcanic clouds at temperatures below 200 K the resulting heterogeneous reaction rates of chlorine activation can be of similar magnitude as the gas phase reaction rate. The heterogeneous rates in PSCs can exceed the gas phase rates by more than 2 orders of magnitude. For the ClONO/sub 2/ and HOCl reactions the measured aerosol surfaces during the PSC events are treated both as liquid (e.g., ternary solution) droplets and as solid NAT to compare the effects of the different phases. The reaction rates on NAT are significantly lower than on liquid droplets. Indeed, this study shows that a transition from liquid ternary solutions to NAT is expected to **reduce** the **rate** of chlorine activation **based** on **present** chemical understanding and on observed aerosol surface areas. Additionally, the effect of temperature and surface area fluctuations on the heterogeneous reaction rates is discussed. (16 Refs)

Subfile: A

Descriptors: aerosols; air pollution; atmospheric chemistry; stratosphere

Identifiers: atmosphere; stratosphere; chemical composition; air pollution; chemistry; heterogeneous reaction; chemical reaction; background aerosol; volcanic aerosol; PSC; type I polar stratospheric cloud; temperature fluctuations; particle phase; Mount Pinatubo; ClONO/sub 2/; H/sub 2/O; HOCl; HCl; N/sub 2/O/sub 5/; H/sub 2/SO/sub 4/

Class Codes: A9260H (Chemical composition and chemical interactions in the lower atmosphere); A8240W (Atmospheric chemistry); A9260M (Particles and aerosols in the lower atmosphere); A8670G (Atmosphere (environmental science)); A9260T (Air quality and air pollution)

Chemical Indexing:

ClONO2 ss - NO2 ss - Cl ss - O2 ss - N ss - O ss (Elements - 3)

H2O bin - H2 bin - H bin - O bin (Elements - 2)

HOCl ss - Cl ss - H ss - O ss (Elements - 3)

HCl bin - Cl bin - H bin (Elements - 2)

N2O5 bin - N2 bin - O5 bin - N bin - O bin (Elements - 2)

H2SO4 ss - SO4 ss - H2 ss - O4 ss - H ss - O ss - S ss (Elements - 3)

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25/5/32 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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5256544 INSPEC Abstract Number: A9611-7340Q-011, B9606-2530F-050

**Title: Effect of electric arc plasma jet treatment on MOS structure reliability**

Author(s): Maslovsky, V.M.; Pavlov, G.Ya.

Author Affiliation: Zelenograd Res. Inst. of Phys. Problems, Moscow, Russia

Conference Title: Materials Reliability in Microelectronics V. Symposium p.139-42

Editor(s): Oates, A.S.; Filter, W.F.; Rosenberg, R.; Greer, A.L.; Gadepally, K.

Publisher: Mater. Res. Soc, Pittsburgh, PA, USA

Publication Date: 1995 Country of Publication: USA xv+523 pp.

Material Identity Number: XX96-00611

Conference Title: Materials Reliability in Microelectronics V. Symposium

Conference Date: 17-21 April 1995 Conference Location: San Francisco,

CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Experimental (X)

Abstract: The effect of electric arc plasma jet treatment (APJT) on MOS structure reliability has been investigated. Si-SiO<sub>2</sub>/Si-Al structures have been studied using the technique of constant **current charge-to-breakdown** before and **after** APJT. The study showed that APJT can improve MOS structure reliability: constant current charge-to-breakdown Q<sub>bd</sub> increased to more than 5 C.cm<sup>2</sup> and breakdown field E<sub>bd</sub> increased to more than 20 MV/cm. This result was attributed to a structural modification of SiO<sub>2</sub> and its interfaces as a result of APJT. Evidence for these structural changes is the appearance of an additional SiO<sub>2</sub> IR absorption peak. (5 Refs)

Subfile: A B

Descriptors: aluminium; electric breakdown; elemental semiconductors; integrated circuit interconnections; integrated circuit metallisation; integrated circuit reliability; integrated circuit testing; interface structure; MIS structures; plasma devices; plasma jets; silicon; silicon compounds; surface structure; surface treatment

Identifiers: electric arc plasma jet treatment; MOS structure reliability; Si-SiO<sub>2</sub>/Si-Al structures; constant current charge-to-breakdown; APJT; breakdown field; SiO<sub>2</sub> structural modification; SiO<sub>2</sub> interface modification; SiO<sub>2</sub> IR absorption peak; Al-Si-SiO<sub>2</sub>/Si; Si

Class Codes: A7340Q (Metal-insulator-semiconductor structures); A5275 (Plasma devices and applications); A8160C (Surface treatment and degradation of semiconductors); A7750 (Dielectric breakdown and space-charge effects); A6820 (Solid surface structure); A6848 (Solid-solid interfaces); B2530F (Metal-insulator-semiconductor structures); B2550E (Surface treatment for semiconductor devices); B2810D (Dielectric breakdown and discharges); B0170N (Reliability); B2550F (Metallisation and interconnection technology); B2570 (Semiconductor integrated circuits)

Chemical Indexing:

Al-Si-SiO<sub>2</sub>-Si int - SiO<sub>2</sub> int - Al int - O<sub>2</sub> int - Si int - O int - SiO<sub>2</sub> bin - O<sub>2</sub> bin - Si bin - O bin - Al el - Si el (Elements - 1,1,2,1,3)

Si sur - Si el (Elements - 1)

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25/5/33 (Item 9 from file: 2)

DIALOG(R) File 2:INSPEC

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5182955 INSPEC Abstract Number: B9603-1265D-039

**Title: The influence of LOCOS related oxide etch backs on thin oxide leakage in memory devices**

Author(s): Turkman, R.; Braithwaite, R.

Author Affiliation: Dept. of Microelectron. Eng., Rochester Inst. of Technol., NY, USA

Conference Title: Proceedings of the Eleventh Biennial University/Government/Industry Microelectronics Symposium (Cat. No.95CH35779) p.94-100

Publisher: IEEE, New York, NY, USA

Publication Date: 1995 Country of Publication: USA xi+244 pp.

ISBN: 0 7803 2596 6 Material Identity Number: XX95-01805

Conference Title: Proceedings of the Eleventh Biennial University/Government/ Industry Microelectronics Symposium

Conference Sponsor: Sematech; Electron Devices Soc.; Univ. Texas; IEEE; Semicond. Res. Corp

Conference Date: 16-17 May 1995 Conference Location: Austin, TX, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Experimental (X)

Abstract: The influence of oxide etch backs done in LOCOS based isolation technologies on the low level leakage and reliability of tunnel oxide capacitors has been studied. Tunnel oxide structures are part of nonvolatile memory devices such as Flash EEPROMs and are critical to their overall performance. LOCOS isolated, area and edge intensive capacitors with 94 A tunnel oxide have been manufactured and tested. Test results



indicate that the extent of the etch back and the use of HF instead of buffered HF as etch chemical do not adversely affect the low level leakage of the tunnel capacitors. However, oxide endurance analysis **based on constant current charge to breakdown** tests shows a significant degradation if an aggressive pretunnel oxide etch back strategy is adopted.  
(3 Refs)

Subfile: B

Descriptors: EPROM; etching; integrated circuit reliability; integrated circuit technology; integrated memory circuits; isolation technology; leakage currents; oxidation; tunnelling

Identifiers: LOCOS; oxide etch back; leakage; isolation technology; reliability; tunnel oxide capacitors; nonvolatile memory devices; flash EEPROMs; endurance analysis; constant current charge to breakdown; HF

Class Codes: B1265D (Memory circuits); B2550E (Surface treatment for semiconductor devices)

Chemical Indexing:

HF bin - F bin - H bin (Elements - 2)

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25/5/34 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

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4522423

**Title: Discounting trends: extra! extra! credits, rebates, new lower price! (IBM)**

Journal: Computer Economics Report (International Edition) vol.15, no.9 p.5-6

Publication Date: Sept. 1993 Country of Publication: USA

ISSN: 0739-0874

Language: English Document Type: Journal Paper (JP)

Treatment: Economic aspects (E)

Abstract: ABS, IBM's business unit that manufactures the AS/400, is aggressively going **after** the rightsizing market. It is **currently** offering **rebates** as high as \$150000 on the purchase of newer AS/400 models and related conversion services for its customers that want to convert part or all of their workload from another platform. To be eligible, you must be converting your workload from a non-IBM multiuser system. IBM S/370, IBM S/390, 4300, or 9370 and transfer that workload to one or more AS/400 F models. IBM is currently waiving monthly payments for the first three months of IBM/ESA Transaction Monitor Version 4 for customers acquiring the software package at the normal monthly license charge. Pennant Systems, IBM's printer subsidiary, is also offering its customers a trade-in credit for non-IBM printers if the older printer is replaced with specific models of the 6252, 6262, 4234, 4230, or 4224 series of IBM printers. (0 Refs)

Subfile: D

Descriptors: IBM computers

Identifiers: discounting trends; rightsizing market; IBM; software package

Class Codes: D5000 (Office automation - computing)

25/5/35 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

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4491367 INSPEC Abstract Number: B9311-2530F-015

**Title: Monitoring plasma-process induced damage in thin oxide**

Author(s): Hyungcheol Shin; Chenming Hu

Author Affiliation: California Univ., Berkeley, CA, USA

Journal: IEEE Transactions on Semiconductor Manufacturing vol.6, no.2 p.96-102

Publication Date: May 1993 Country of Publication: USA

CODEN: ITSMED ISSN: 0894-6507

U.S. Copyright Clearance Center Code: 0894-6507/93/\$03.00

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T); Experimental (X)

Abstract: Plasma etching and resist ashing processes cause current to flow through the thin oxide and the resultant plasma-induced damage can be simulated and modeled as damage produced by constant current electrical stress. The oxide charging current produced by plasma processing increases with the 'antenna' size of the device structure. Oxide charge measurement such as CV or threshold voltage is a more sensitive technique for characterizing plasma-processing induced damage than oxide breakdown. The oxide charging current is collected only through the aluminum surfaces not covered by the photoresist during plasma processes. Although forming gas anneal can passivate the traps generated during plasma etching, subsequent Fowler-Nordheim stressing causes more traps to be generated in these devices than in devices that have not been through plasma etching. Using the measured **charging current**, the **breakdown** voltage distribution of oxides **after** plasma processes can be predicted accurately. Oxide shorts density of a single large test capacitor is found to be higher than that in a multiple of separated small capacitors having the same total oxide area. This would lead to overly pessimistic oxide defect data unless care is taken. (24 Refs)

Subfile: B

Descriptors: dielectric thin films; electric breakdown of solids; electron traps; elemental semiconductors; semiconductor-insulator boundaries; silicon; silicon compounds; sputter etching

Identifiers: MOS capacitor structure; CV curve; plasma-process induced damage; thin oxide; resist ashing; constant current electrical stress; oxide charging current; charge measurement; threshold voltage; forming gas anneal; Fowler-Nordheim stressing; breakdown voltage distribution; oxide defect data; Al-SiO<sub>2</sub>/sub 2/-Si

Class Codes: B2530F (Metal-insulator-semiconductor structures); B2550E (Surface treatment); B2810D (Dielectric breakdown and discharges)

Chemical Indexing:

Al-SiO<sub>2</sub>-Si int - SiO<sub>2</sub> int - Al int - O<sub>2</sub> int - Si int - O int - SiO<sub>2</sub> bin - O<sub>2</sub> bin - Si bin - O bin - Al el - Si el (Elements - 1,2,1,3)

25/5/36 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

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04314328 INSPEC Abstract Number: B9302-6430C-056

Title: **Wide RF-band digital HDTV emission systems-performance of advanced channel coding and modulation techniques**

Author(s): Cominetti, M.; Morello, A.; Visintin, M.

Journal: EBU Technical Review no.251 p.4-21

Publication Date: Spring 1992 Country of Publication: Switzerland

ISSN: 0251-0936

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The perspectives of wide RF-band digital HDTV emission systems W-HDTV via satellite in the 20 GHz range, capable of providing near-studio quality, are examined in the light of the **current** progress on **bit-rate reduction** algorithms **based on** hybrid discrete-cosine transforms (DCT) and of advanced modulation and channel coding techniques. These W-HDTV systems are evaluated, for different bit-rates (140, 105 and 70 MBit/s), in the context of a possible common frequency allocation of the frequency range 21.4-22 GHz; this would allow very efficient use of the spectrum by assigning the overall bandwidth to all service areas. The systems are compared by computer simulations and laboratory evaluations, over a typical satellite channel affected by co-channel and adjacent-channel interference. An example for a W-HDTV broadcasting satellite service at 22 GHz in climatic zones K and L confirms the suitability of the proposed systems for operation in regions affected by severe propagation conditions. (8 Refs)

Subfile: B

Descriptors: data compression; direct broadcasting by satellite; discrete cosine transforms; high definition television; image coding; telecommunication channels; television broadcasting; television interference

Identifiers: co-channel interference; SHF; K-climatic zone; L-climatic

zone; wide RF-band digital HDTV; W-HDTV; near-studio quality; bit-rate reduction algorithms; hybrid discrete-cosine transforms; DCT; advanced modulation; channel coding techniques; common frequency allocation; satellite channel; adjacent-channel interference; W-HDTV broadcasting satellite service; severe propagation conditions; 21.4 to 22 GHz

Class Codes: B6430C (High definition television); B6420 (Radio and television broadcasting); B6120B (Codes); B6250G (Satellite relay systems)  
Numerical Indexing: frequency 2.14E+10 to 2.2E+10 Hz

25/5/37 (Item 13 from file: 2)

DIALOG(R)File 2:INSPEC

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04169459 INSPEC Abstract Number: B9207-2210D-038

**Title: Ion chromatography identification of solder paste flux residues after nitrogen convection reflow**

Author(s): Elliott, D.A.; Munson, T.

Conference Title: Surface Mount International, Conference and Exposition. Proceedings of the Technical Program p.419-31 vol.1

Publisher: Surface Mount Int, Edina, MN, USA

Publication Date: 1991 Country of Publication: USA 2 vol. 1306 pp.

Conference Date: 27-29 Aug. 1991 Conference Location: San Jose, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Experimental (X)

Abstract: Some solder pastes for reflow soldering of surface mount assemblies are reported to produce sufficiently low flux residues in special atmospheres that post-cleaning can be eliminated and problem-free bed-of-nails testing can be achieved. In the past few years, convection IR reflow soldering of surface mount components has made major advances because of its ability to provide more uniform temperatures across the assembly, by reducing the temperature gradient between high and low density areas. The paper will identify the chemical nature of flux residues after reflowing several solder pastes on test boards in a high volume recirculated nitrogen convection reflow machine. The ion chromatograph test method was used to quantify the chlorides, bromides, nitrates and weak organic acids remaining on the **coupons after** reflowing several of the **current** no-clean, solder pastes in air and in nitrogen. (1 Refs)

Subfile: B

Descriptors: chromatography; printed circuit manufacture; printed circuit testing; production testing; soldering; surface mount technology

Identifiers: solder paste flux residues; reflow soldering; surface mount assemblies; bed-of-nails testing; convection IR reflow; surface mount components; uniform temperatures; test boards; ion chromatograph test method; chlorides; bromides; nitrates; coupons; N/sub 2/

Class Codes: B2210D (Printed circuit manufacture); B0170E (Production facilities and engineering)

Chemical Indexing:

N2 el - N el (Elements - 1)

25/5/38 (Item 14 from file: 2)

DIALOG(R)File 2:INSPEC

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03937874 INSPEC Abstract Number: A91104759

**Title: Radiosensitivity of Bombyx mori embryos and its modification by thermal shock**

Author(s): Agaev, F.A.; Zakrzhevskaya, D.T.; Yusifov, N.I.; Gaziev, A.I.

Author Affiliation: Inst. of Biol. Phys., Acad. of Sci., Pushchino, USSR

Journal: Radiobiologiya vol.31, no.1 p.33-7

Publication Date: 1991 Country of Publication: USSR

CODEN: RADOA8 ISSN: 0033-8192

Language: Russian Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: Radiosensitivity of Bombyx mori embryos on days 3-4 of their development is more than 10 times higher than that of 7-9 day embryos. The

rate of DNA synthesis in the embryos correlates with their radiosensitivity. Heat treatment (40 degrees C, 60 min) of embryos just before Upsilon -irradiation increases their radioresistance (DMF=+1.6), whereas such a treatment **immediately after** irradiation **reduces** the survival **rate** of embryos as compared to the controls irradiated without heat treatment (DMF=-1.5). The radio-modifying effect of the thermal shock on the Bombyx mori embryos is the same with exposure at both the radioresistant and the radiosensitive stage of their development. However, it is more pronounced at the radiosensitive stage. (17 Refs)

Subfile: A

Descriptors: biological effects of gamma-rays; biothermics

Identifiers: DNA synthesis rate; heat treatment; Bombyx mori embryos; thermal shock; radiosensitivity; Upsilon -irradiation; survival rate; radio-modifying effect; 40 degC; 60 min; 3 to 4 d

Class Codes: A8750G (Ionizing radiations (UV, X-ray, gamma-ray; particle radiation effects)); A8716 (Biothermics)

Numerical Indexing: temperature 3.13E+02 K; time 3.6E+03 s; time 2.6E+05 to 3.5E+05 s

25/5/39 (Item 15 from file: 2)

DIALOG(R)File 2:INSPEC

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03391424 INSPEC Abstract Number: A89073059, B89042680

**Title: Rapid thermal oxidation of thin nitride/oxide stacked layer**

Author(s): Chang, W.T.; Shih, D.K.; Kwong, D.L.; Zhou, Y.; Lee, S.

Author Affiliation: Texas Univ., Austin, TX, USA

Journal: Applied Physics Letters vol.54, no.5 p.430-2

Publication Date: 30 Jan. 1989 Country of Publication: USA

CODEN: APPLAB ISSN: 0003-6951

U.S. Copyright Clearance Center Code: 0003-6951/89/050430-03\$01.00

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

**Abstract:** The effects of rapid thermal oxidation (RTO) on the chemical vapor deposited nitride/oxide layer for thin gate dielectrics were studied. Successful growth of a top oxide of approximately 25 AA was confirmed using X-ray photoelectron spectroscopy and no punchthrough of the chemical vapor deposited nitride was observed for a nitride thickness of 60 AA. Changes in electrical properties **after** RTO were studied using **current** -voltage and **charge** -to- **breakdown** measurements. Results indicate that the top oxide reduces the leakage current under positive gate bias and increases the leakage current at high fields for negative gate bias. In addition, the charge to breakdown of the layer is increased after RTO. (16 Refs)

Subfile: A B

Descriptors: CVD coatings; insulating thin films; oxidation; silicon compounds; X-ray photoelectron spectra

Identifiers: CVD stacked layer; current voltage measurements; rapid thermal oxidation; gate dielectrics; X-ray photoelectron spectroscopy; punchthrough; charge-to-breakdown; leakage current; Si-SiO/sub 2/-Si/sub 3/N/sub 4/

Class Codes: A8160 (Corrosion, oxidation, etching, and other surface treatments); A7360H (Insulating thin films); B2550E (Surface treatment and oxide film formation)

Chemical Indexing:

Si-SiO<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> int - Si<sub>3</sub>N<sub>4</sub> int - SiO<sub>2</sub> int - Si<sub>3</sub> int - N<sub>4</sub> int - O<sub>2</sub> int - Si int - N int - O int - Si<sub>3</sub>N<sub>4</sub> bin - SiO<sub>2</sub> bin - Si<sub>3</sub> bin - N<sub>4</sub> bin - O<sub>2</sub> bin - Si bin - N bin - O bin - Si el (Elements - 1,2,2,3)

25/5/40 (Item 16 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2002 Institution of Electrical Engineers. All rts. reserv.

02185218 INSPEC Abstract Number: A84021385

**Title: Deposition of radioactive corrosion products on BWR steels**

Author(s): Honda, T.; Minato, A.; Ohsumi, K.; Matsubayashi, H.

Author Affiliation: Hitachi Res. Lab., Hitachi Ltd., Ibaraki, Japan

Journal: Transactions of the American Nuclear Society vol.45 p. 277-8

Publication Date: 1983 Country of Publication: USA

CODEN: TANSAO ISSN: 0003-018X

Conference Title: 1983 Winter Meeting of the American Nuclear Society

Conference Sponsor: ANS

Conference Date: 30 Oct.-3 Nov. 1983 Conference Location: San Francisco, CA, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P); Experimental (X)

Abstract: While it is generally accepted that radiation field buildup of boiling water reactor (BWR) plants is caused by  $^{60}\text{Co}$  deposition on component materials, no parametric study in actual reactor water has been made. Such a study would be effective in bridging the gap between laboratory tests and actual plant performance. A program was instituted to study the deposition kinetics of radionuclides on several materials through coupon exposure tests, in react water, at a commercially operating BWR. The exposure tests were carried out in neutral pH reactor water at 230 degrees C containing 150- to 170-ppb oxygen for 25 to 1000 h. **After** exposure, **coupons** were removed and gamma-scanned **immediately**. Properties of oxide films formed on coupons were then analyzed. (4 Refs)

Subfile: A

Descriptors: cobalt; corrosion; fission reactor materials; stainless steel

Identifiers: stainless steel; radioactive corrosion products; BWR steels; radiation field buildup; boiling water reactor;  $^{60}\text{Co}$  deposition; component materials; deposition kinetics; radionuclides; exposure tests; oxide films

Class Codes: A2842D (Fuel elements); A2842Q (Structural and shielding materials); A2850G (Light water reactors); A8160B (Metals and alloys)

25/5/41 (Item 17 from file: 2)

DIALOG(R)File 2:INSPEC

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02065959 INSPEC Abstract Number: A83060329, B83036789

**Title: Fuel cycle costs for molten-salt reactors**

Author(s): Nagashima, K.

Author Affiliation: Sumitomo Atomic Energy Industries Ltd., Osaka, Japan

Journal: Journal of the Atomic Energy Society of Japan vol.25, no.1 p.49-57

Publication Date: Jan. 1983 Country of Publication: Japan

CODEN: NGEAL ISSN: 0004-7120

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Economic aspects (E)

Abstract: The report describes FCC (fuel cycle cost) estimates for MSCR (molten-salt converter reactor) and MSBR (molten-salt breeder reactor) compared with those for LWRs (PWR and BWR). The calculation is **based on** the **present** worth technique with a given **discount** rate for each item, which enables one to make comparison between FCCs for MSCR, MSBR and LWRs. It is shown that the FCCs for MSCR and MSBR are 70 approximately 60% lower than the values for LWRs. And it could be said that the FCC for MSCR (Pu-converter) is about 10% lower than that for MSBR, because of the smaller amount of fissile inventory of MSCR than the inventory of MSBR. (10 Refs)

Subfile: A B

Descriptors: economics; fission reactor fuel preparation and reprocessing

Identifiers: molten salt convertor reactor; Pu convertor; FCC; fuel cycle cost; MSCR; molten-salt breeder reactor; discount rate

Class Codes: A2842H (Fuel preparation and reprocessing); A2850 (Fission reactor types and applications); B0140 (Administration and management); B8220B (Nuclear reactors)

25/5/42 (Item 1 from file: 474)

DIALOG(R)File 474:New York Times Abs

(c) 2002 The New York Times. All rts. reserv.

07664875 NYT Sequence Number: 306070990212

**COURT RULES AGAINST I.R.S. IN CHARITY CASE**

New York Times, Col. 5, Pg. 1, Sec. C

Friday February 12 1999

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

US Appeals Court in Chicago unanimously rules that Internal Revenue Service cannot revoke charity's tax-exempt status simply for hiring fund-raisers who end up with most of money they take in from donors; decision, at least temporarily, has cost Government one important weapon it had for combating unscrupulous fund-raisers who trade on charity's good name; case that led to decision involved direct-mail firm, Watson & Hughey, now known as Direct Response Consulting, that had been hired by United Cancer Council, small Indiana charity, when it was on verge of bankruptcy; between 1984 and 1989, when Watson & Hughey was council's exclusive fund-raiser, it sent 80 million letters that raised \$28.8 million in donations from public, only \$2.3 million of which went to charity, **after expenses were deducted**; council is **now** defunct; court rules that in absence of showing that insiders at United Cancer had benefited personally from donations, the IRS could not strip charity of its tax exemption simply for entering into foolish bargain with professional fund-raiser (M)

COMPANY NAMES: Internal Revenue Service; Watson & Hughey; Direct Response Consulting; United Cancer Council (Defunct)

DESCRIPTORS: Philanthropy; Suits and Litigation; Decisions and Verdicts; Taxation; Federal Taxes (US); Tax Exemptions; Philanthropy; Frauds and Swindling; Gifts; Philanthropy

PERSONAL NAMES: Johnston, David Cay

**25/5/43 (Item 2 from file: 474)**

DIALOG(R)File 474:New York Times Abs

(c) 2002 The New York Times. All rts. reserv.

07461777 NYT Sequence Number: 705608961008

**MARKET PLACE: AS SHARES SLIP, SO DO PHONE DEALS' WORTH**

Landler, Mark

New York Times, Col. 2, Pg. 1, Sec. D

Tuesday October 8 1996

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

Market Place column: Wall Street bankers say weakness in shares of telephone companies could stanch flood of mergers that has transformed these industries in recent months; they cite Worldcom's takeover of MFS Communications, worth \$14 billion when announced on Aug 26, but now worth \$11.8 billion; also, US West and Continental Cablevision, which announced their merger in February, have **now** agreed to **reduced price after** 20 percent drop in US West unit shares that would be used to finance deal; graph (M)

SPECIAL FEATURES: Graph

COMPANY NAMES: Worldcom Inc; Mfs Communications Inc; Continental Cablevision Inc; US West Inc

DESCRIPTORS: Telephones and Telecommunications; Market Place (Times Column); Mergers, Acquisitions and Divestitures; Industry Profiles; Telephones and Telecommunications

PERSONAL NAMES: Landler, Mark

**25/5/44 (Item 3 from file: 474)**

DIALOG(R)File 474:New York Times Abs

(c) 2002 The New York Times. All rts. reserv.

05839122 NYT Sequence Number: 723630901223

**MARKET WATCH: OLD ST. ALAN'S GIFT: A 30-MINUTE TRADING SPREE**

NORRIS, FLOYD

New York Times, Col. 1, Pg. 1, Sec. 3

Sunday December 23 1990

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

Short-lived boom in stock and bond prices **immediately after** Federal Reserve announced **discount** rate cut discussed; graphs (S)

SPECIAL FEATURES: Graph

COMPANY NAMES: FEDERAL RESERVE SYSTEM

DESCRIPTORS: STOCKS AND BONDS; CREDIT; INTEREST (MONEY); STOCK PRICES AND TRADING VOLUME; BOND PRICES AND TRADING VOLUME; DISCOUNT RATE

PERSONAL NAMES: NORRIS, FLOYD

GEOGRAPHIC NAMES: UNITED STATES

**25/5/45 (Item 4 from file: 474)**

DIALOG(R)File 474:New York Times Abs

(c) 2002 The New York Times. All rts. reserv.

04574073 NYT Sequence Number: 127745851103

**ESSAY: REAGAN'S GOOD DEED**

SAFIRE, WILLIAM L

New York Times, Col. 1, Pg. 21, Sec. 4

Sunday November 3 1985

DOCUMENT TYPE: Newspaper; Editorial Column JOURNAL CODE: NYT

LANGUAGE: English RECORD TYPE: Abstract

**ABSTRACT:**

William Safire column support Reagan Administration proposal to provide parents of children who **now qualify** for remedial aid with **voucher** good for \$630 at school of their choice, public or private

DESCRIPTORS: EDUCATION AND SCHOOLS; EDUCATIONAL VOUCHER SYSTEM; FEDERAL AID (US)

PERSONAL NAMES: SAFIRE, WILLIAM L; REAGAN, RONALD WILSON (PRES)

**25/5/46 (Item 5 from file: 474)**

DIALOG(R)File 474:New York Times Abs

(c) 2002 The New York Times. All rts. reserv.

04295012 NYT Sequence Number: 000000840818

**Bill that would extend Medicaid coverage to medically-needy individuals is receiving solid backing from New Jersey Kean Administration, health-care industry and community groups; proposal would aid those who might qualify for Medicaid now if they could deduct their medical expenses from their income; Assemblyman John S Wilson comments on importance of legislation (M)**

FRIEDLAND, SANDRA

New York Times, Col. 1, Pg. 1, Sec. 11

Sunday July 22 1984

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

DESCRIPTORS: MEDICINE AND HEALTH; HEALTH INSURANCE; MEDICAID; WAGES AND SALARIES; LAW AND LEGISLATION

PERSONAL NAMES: FRIEDLAND, SANDRA; KEAN, THOMAS H (ASSEMBLYMAN); WATSON, JOHN S (ASSEMBLYMAN)

GEOGRAPHIC NAMES: NEW JERSEY

**25/5/47 (Item 6 from file: 474)**

DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

01087697 NYT Sequence Number: 036841810509

**American Motors Corp (AMC) will raise prices between 1% and 2.9% on some of its AMC Jeep and Renault vehicles after its current 10% rebate program expires May 15 '81. AMC is fourth US auto maker to announce price increases in a month (S).)**

Associated Press

New York Times, Col. 3, Pg. 31

Saturday May 9 1981

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

COMPANY NAMES: AMERICAN MOTORS CORP

DESCRIPTORS: AUTOMOBILES; PRICES

25/5/48 (Item 7 from file: 474)

DIALOG(R)File 474:New York Times Abs

(c) 2002 The New York Times. All rts. reserv.

00746918 NYT Sequence Number: 107754761208

**NYS Atty Gen Louis J Lefkowitz announces agreement with Long Island Sports, limited partnership that owns NY Nets, to give Nets season-ticket holders option of receiving either 10% rebate on tickets purchased for '76-'77 season or 10% discount, based on current prices, toward '77-'78 tickets. To qualify, ticket holders must file affidavit stating that tickets were purchased solely on basis that Julius Erving would play for Nets, that tickets are for personal use and that ticket holder releases Nets from additional claims. Ticket-holders who do not accept agreement remain free to pursue any action they deem advisable (M).)**

New York Times, Col. 5, Pg. 12, Sec. 2

Wednesday December 8 1976

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

COMPANY NAMES: LONG ISLAND SPORTS (PARTNERSHIP); NEW JERSEY NETS

DESCRIPTORS: BASKETBALL; REBATES; TICKETS

PERSONAL NAMES: ERVING, JULIUS; LEFKOWITZ, LOUIS J

25/5/49 (Item 1 from file: 475)

DIALOG(R)File 475:Wall Street Journal Abs

(c) 2002 The New York Times. All rts. reserv.

05258204

**KODAK SETTLES SUIT BY OWNERS OF 'INSTANTS'**

ANSBERRY, CLARE

Wall Street Journal, Col. 3, Pg. 41, Sec. 1

Tuesday May 17 1988

DOCUMENT TYPE: Newspaper JOURNAL CODE: WSJ LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT:

Eastman Kodak Co, after two years of legal headaches, has reached settlement with 16.5 million disgruntled owners of its now-useless instant cameras; some owners had filed class-action suit in effort to change original terms of Kodak's **rebate** offer; Kodak was forced from **instant** -camera business **after** losing patent-infringement suit brought by Polaroid Corp; under terms of settlement, owners will receive between \$50 and \$70 of cash and coupons, depending on make of camera they hold (M)

COMPANY NAMES: EASTMAN KODAK CO; POLAROID CORP

DESCRIPTORS: SUITS AND LITIGATION; PHOTOGRAPHY; CAMERAS; PATENTS; REBATES

PERSONAL NAMES: ANSBERRY, CLARE



25/5/50 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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01472285 20001202185

**Simulation of coating failures on cathodically protected pipelines -  
Experimental and numerical results**

(Simulation von Beschichtungsfehlern auf kathodisch geschuetzen Pipelines -  
Experimentelle und numerische Ergebnisse)

Brasil, SLDC; Telles, JCF; Miranda, LRM

Federal Univ. of Rio de Janeiro, Brazil

Corrosion, Houston, v56, n11, pp1180-1188, 2000

Document type: journal article Language: English

Record type: Abstract

ISSN: 0010-9312

**ABSTRACT:**

A cathodically protected buried pipe with coating failures was simulated in two different ways. An experimental model was developed and then a computer program was used to study the same problem. The agreement between the results demonstrates that numerical simulations are applicable to cathodic protection systems in high-resistivity media. Steel coupons were electrically connected to the pipe to simulate coating failures. The ohmic drop (IR)-corrected potential values of the **coupons** were obtained **instantaneously after** a brief interruption of the protection current. The potential and current density were calculated over distinct failure areas for three different medium resistivities: 80,000, 15,000, and 500 Ohm-cm. The IR drop, which affects the potential measurements, was related to the resistivity of the medium, and a mathematical expression between these parameters was obtained.

DESCRIPTORS: NUMERICAL SIMULATION; COATINGS; BREAKDOWN; PIPE LINE;  
PROTECTION; SURFACE PROTECTION; PROTECTIVE LAYERS; ANTICORROSION COATINGS;  
CORROSION PROTECTION; CATHODIC CORROSION PROTECTION; CURRENT DENSITY;  
CHEMICAL POTENTIAL

IDENTIFIERS: Pipeline; Kathodischer Schutz; Beschichtungsfehler

25/5/51 (Item 2 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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01238278 N98040659700

**Pseudo resistance curves for aluminum cell control - alumina dissolution  
and cell dynamics**

Kvande, Halvor; Moxnes, Bjorn P; Skaar, Jorn; Solli, Per A

Hydro Aluminum a.s, Stabekk, Norway

126th TMS Annual Meeting, Light Metals, Feb 9-13 1997, Orlando, FL, USA1997

Document type: Conference paper Language: English

Record type: Abstract

**ABSTRACT:**

The pseudo resistance was measured as a function of the alumina concentration in the bath in five different types of cells. The pseudo resistance showed a minimum value at 5.0 to 5.5 mass% Al(ind 2)O(ind 3), when the bath samples were analyzed by the LECO method. To the left of the minimum point on the curve the slope increased gradually until the anode effect occurred at 1.6 to 2.2 mass% Al(ind 2)O(ind 3), while a nearly linear curve was found in some of the measurements. The difference in pseudo resistance determined just prior to the anode effect and at the minimum point, corresponded to a voltage difference between 100 and 300 mV.

**Immediately after** the alumina feeding rate was reduced from overfeeding to underfeeding, a so-called 'hysteresis effect' could be observed. This was characterized by a sudden decrease in cell voltage of about 100 mV in less than 30 minutes, in spite of practically constant bath composition and temperature in this time period. This effect may be caused by dissolution of alumina sludge in the bath phase above the metal pad, accumulated during the long overfeeding period of several hours, which was

necessary to reach alumina concentrations to the right of the minimum point on the curve.

DESCRIPTORS: ALUMINIUM PRODUCTION; ALUMINIUM OXIDES; DISSOLUTION; ELECTRIC RESISTANCE MEASUREMENT; ANODES

IDENTIFIERS: WIDERSTANDSKURVE; Al-Herstellung; elektrolytische Zelle; Widerstandsmessung

31/5/1 (Item 1 from file: 35)  
DIALOG(R) File 35:Dissertation Abs Online  
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758959 ORDER NO: AAD81-23642

**ALTERNATIVE FARM COMMODITY PROGRAM OPTIONS FOR THE EIGHTIES: AN ANALYSIS OF ECONOMIC IMPLICATIONS WITH EMPHASIS ON GROWTH OF INDIANA CROP FARMS**

Author: EDELMAN, MARK ALAN

Degree: PH.D.

Year: 1981

Corporate Source/Institution: PURDUE UNIVERSITY (0183)

Source: VOLUME 42/05-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2224. 250 PAGES

Descriptors: ECONOMICS, AGRICULTURAL

Descriptor Codes: 0503

Agricultural policy decisions in the 1980's will be shaped by unfolding economic conditions, the perceived performance of current commodity programs, and the potential economic impacts of alternative policies. The primary objectives of this thesis were to analyze the economic effects of selected farm commodity programs on the corn and soybean markets and to compare the economic impacts of these commodity programs and alternative farm management decisions on the economic behavior of selected Indiana crop farms.

A stochastic simulation model was used to estimate the aggregate market effects of target prices and deficiency payments, acreage set-aside programs, a farmer-owned grain reserve, and Commodity Credit Corporation activities over a seven-year period (1979/80 through 1985/86). Treasury outlays, average price levels, and annual variation in prices were estimated in real dollars for each policy alternative. The effects of various policy and farm management alternatives on net after-tax income, the standard deviation of expected income, and growth in net worth from retained earnings were estimated for four representative Indiana crop farms with an annualized, mathematical programming model.

Studies conducted in the 1960's found that a shift towards a free market policy would tend to reduce market prices. This study found that compared to a continuation of current policy, elimination of government commodity programs would increase rather than decrease average market prices. However, annual price variation would increase about 25 percent. These results are based on expectations of relatively tight commodity supplies which many analysts have predicted for the decade of the 1980's. This is in sharp contrast to the excess supplies and production capacity which existed in American agriculture in the late 1950's and throughout the 1960's.

Budget outlays for commodity programs which affect corn, could also be significantly reduced without having a major impact on price levels or variation. Elimination of target prices and deficiency payments to corn **producers** would **reduce** average Treasury **outlays** by one-third vis-a-vis a continuation of **current** policies. Such a policy would not increase annual price variation nor significantly alter effective price levels in the intermediate-run.

Price instability could be significantly reduced by increasing government managed stocks. Compared to a continuation of current programs, a 15 percent increase in target prices, loan rates, and grain reserve trigger prices for corn would reduce annual market price variation by 25 percent but average Treasury outlays would increase from \$1.00 to \$6.00 per capita.

Current trends in farm structure will not be altered significantly by the elimination of farm commodity programs nor by increased price supports for corn. In this study it was found that such policies would only increase growth in net worth from retained earnings by 10 percent. However, based on a range of typical investment preferences for Indiana farmers, it was found that growth in net worth could be cut in half or doubled.

This study also found that small, specialized crop farms (200 acres) will have difficulty maintaining annual increases in net worth and net worth growth rates at levels comparable to those of moderate and large farms (500, 800, and 1200 acres). Small farms simply lack the resource base and growth potential relative to larger farms under most management

behavior patterns.

31/5/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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741897 ORDER NO: AAD81-08023

**THE AGRICULTURAL BENEFITS OF SALINITY CONTROL ON THE RED RIVER OF TEXAS AND OKLAHOMA**

Author: LAUGHLIN, DAVID HENDERSON  
Degree: PH.D.  
Year: 1980  
Corporate Source/Institution: TEXAS A&M UNIVERSITY (0803)  
Source: VOLUME 41/10-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4454. 268 PAGES  
Descriptors: ECONOMICS, AGRICULTURAL  
Descriptor Codes: 0503

Salinity of the waters from the Red River and its major tributaries has virtually eliminated its use for irrigation of agricultural crops in Texas and Oklahoma. A chloride control project has been proposed whereby the source salt waters will be captured and diverted to storage facilities. The purpose of this study was to estimate the net direct benefits to agricultural producers attributable to the proposed salinity control project. Further, estimates of project costs, municipal and industrial benefits and benefits from improving the water in Lake Kemp were obtained to complete a benefit-cost analysis.

The procedure used to estimate agricultural benefits was to use a FORTRAN program to develop initial tableaux of a recursive linear programming model representing agricultural production in the study area. Alternative scenarios involving profit maximizing behavior on the part of producers, current cropping patterns, and with and without SAR crop yield effects were developed to provide a range of benefit estimates. The basis for benefit evaluation was to use parameters prescribed by the U.S. Water Resources Council's Principles and Standards and recent proposed changes along with those developed in this study to estimate the increase in net returns to producers in the study area between a with project and a without project condition for a 100 year period of analysis. Benefits were discounted to their present value with discount rates of 7 1/8 percent and 3 1/4 percent for comparative purposes. Benefits estimated herein were used in conjunction with external estimates of project costs and other benefits to evaluate the economic feasibility of the salinity control project.

In all scenarios considered, cotton emerged as the major irrigated crop. Scenarios involving profit maximizing behavior on the part of producers resulted in benefit estimates of over \$65 million and \$117 million without and with SAR crop yield effects, respectively, at the 7 1/8 percent discount rate. Under a constrained profit maximization scenario where SAR crop yield effects were included and in which producers were assumed to keep current cropping patterns in 1990, adjust to 50 percent of the optimal land use in 2000, and were fully adjusted to optimal land use by 2010, resulted in agricultural benefit estimates of over \$87 million at the 7 1/8 percent discount rate. In a scenario where **producers** were assumed to maintain **current** cropping patterns throughout the 100 year period of analysis, benefits were estimated to be \$28.8 million and \$35.8 million without and with SAR crop yield effects, respectively, at the 7 1/8 percent discount rate.

Benefit-cost analysis performed in this study indicated that the proposed project was economically feasible under assumptions of all scenarios considered except where current cropping patterns were followed for the entire analysis period. B/C ratios of 1.068 and 1.291 resulted for the profit maximization scenarios without and with SAR crop yield effects, respectively. Where benefits from the constrained scenario were included in the benefit-cost analysis, a B/C ratio of 1.162 resulted. Finally, with current cropping patterns maintained through 2090, B/C ratio estimates of .907 and .938 resulted without and with SAR crop yield effects included, respectively.

31/5/3 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09148583

Deputy premier announces rise in petrol price, easier import of cars

SERBIA: IMPORT OF USED CARS TO BE LIBERALISED  
SWB Central Europe & the Balkans (BBCB) 19 Aug 1999 p.WA/6  
Language: ENGLISH

According to deputy prime minister Vojislav Seselj, the import of second-hand cars to Serbia will be liberalised. Cars newer than four years may be imported by Serbian citizens at the **current tax rate reduced** by 10%. The Serbian car **manufacturer** Zastava fears the liberalisation of car imports to have a negative effect on the motor vehicle industry in the country. According to a study commissioned by Zastava and carried out by the Economic Institute of Belgrade in October 1998, Zastava could sell 16,000 new cars per year in Yugoslavia if imports of used cars were banned and consumer credits were not available. However, if the import of second-hand cars is allowed, Zastava could only sell 2,500 cars annually.

COMPANY: ZASTAVA

PRODUCT: Cars (3711CA);  
EVENT: Sales & Consumption (65); International Economic Relations (95);  
COUNTRY: Yugoslavia (6YUG);

31/5/4 (Item 2 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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08088005

NO HOLIDAY PRICE REDUCTIONS, DESPITE CHEAP OIL

UK - NO HOLIDAY PRICE REDUCTIONS, DESPITE CHEAP OIL  
Daily Telegraph (DT) 12 February 1986 p6

Despite being surcharged #150 extra per family in 1985, when aviation fuel rose in price, holiday **makers** will not benefit from **price reductions** by tour operators in 1986. **Now** some of the leading travel agents in the UK are maintaining that the public is being "outrageously conned". Up to 8m people have already booked for 1986 season. However, British Airways maintains that they are paying between 13-23% more for the fuel now at Heathrow compared with costs in 1985, and 13% more in New York. Moreover, an ABTA spokesman explained the long-term nature of increases, which meant that reductions could not always be immediately translated into lower prices.

PRODUCT: Travel Agencies (4721); Lodging & Tourist Services (7010);  
EVENT: MARKET & INDUSTRY NEWS (60);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

31/5/5 (Item 3 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06656166

Goode Durrant expects unchanged rental rates

UK: GOODE DURRANT'S RESULTS LOWER THAN EXPECTED  
Financial Times (FT) 15 Jul 1998 p.24  
Language: ENGLISH

The UK van leasing group, Goode Durrant, has released its results for the

year to 30 April 1998 which are slightly below expectation. The company said that due to van **manufacturers** freezing or **reducing** the **price** of new vehicles it would be able to maintain **current** prices for leasing. Table: Goode Durrant Figures in GBt mn Current Change Turnover 202 45% Pre-tax Profits 31.5 23%  
(c) Financial Times 1998

COMPANY: GOODE DURRANT

PRODUCT: Finance Leasing (6159); Vans (3711VA);  
EVENT: Commodity & Service Prices (72); Company Reports & Accounts (83);  
COUNTRY: United Kingdom (4UK);

31/5/6 (Item 4 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06333118  
Ford Expected to Cut Price of Continental  
US: FORD TO REDUCE PRICE OF LINCOLN CONTINENTAL  
Wall Street Journal Europe (WSJ) 03 Jul 1996 p.3  
Language: ENGLISH

In order to increase the sales of the vehicle, which have been disappointing, Ford Motor <of the US> is believed to have decided to reduce the price of the 1997 models of its Lincoln Continental luxury sedan to about US\$ 35,000-37,000 versus US\$ 42,000 **currently**. A 'De-contenting' strategy would be used by the car **maker** to **reduce** the **price** of the car.

COMPANY: FORD MOTOR

PRODUCT: Cars (3711CA);  
EVENT: Commodity & Service Prices (72); Public Affairs (29);  
COUNTRY: United States (1USA);

31/5/7 (Item 5 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06290098  
CD-ROM drive makers face overstock crisis  
SINGAPORE: OVERSTOCK FROM CD-ROM MAKERS  
Business Times (XBA) 02 April 1996 P.1  
Language: ENGLISH

Creative Technology, the electronics maker in Singapore, reported a US\$ 30 mn write-off for its CD-ROM drive inventory. This was due to the slower-than-expected sales of personal computers during the Christmas season in 1995. The low demand has brought about mass dumping and steep **price reduction** by the CD-ROM drive **makers** in Singapore. **Presently**, 4-speed (4X) drives are suffering from the greatest price erosion, falling by 25-50% during the last 3 months. It is now at US\$ 40-75 compared to US\$ 105 in January 1996. The 6X drives have also been reduced by half from US\$ 140 to US\$ 75. This is affecting the small independent producers in Singapore, including Creative Technology, IPC Corp, Aztech Systems, Optics Storage and Wearnes Peripherals. Their competitors include Japanese makers like Panasonic, Mitsumi, Sony and NEC. The Japanese makers took up 70% of the CD-ROM drives in Singapore. They shipped 500,000 to 1 mn of drives per month, compared to the 100,000 units shipped per month by local companies. Meanwhile, Optics Storage has planned for volume production of 10X drives in the May 1996, while Aztech is launching 10X drives during the third quarter of 1996 and 12X at the end of 1996.

COMPANY: NEC; SONY; MITSUMI; PANASONIC; WEARNES PERIPHERALS; OPTICS  
STORAGE; AZTECH SYSTEMS; IPC; CREATIVE TECHNOLOGY

PRODUCT: Computers (3573CO); Electronic Components NEC (3679);  
EVENT: Commodity & Service Prices (72); Companies Activities (10);  
COUNTRY: Singapore (9SIN);

31/5/8 (Item 6 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06252260  
MODO SANKER MASSAPRISERNA  
SWEDEN: MODO LOWERS ITS PULP PRICES  
Svenska Dagbladet (XUX) 12 Jan 1996 s. N8  
Language: SWEDISH

The Swedish forest corporation MODO will lower its prices for pulp from around 925 to 875 US\$ per ton, following the recent trend on the market. The decisive factor behind the current price changes are the demand on office paper, which in turn is governed by the general economic development and the psychological importance of macro level office and graphics paper stocks. Macro Level stocks are **now** declining, as the market expects further **price reductions**. Macro level orders for paper **manufacturers** also seem to be increasing somewhat, but it is too early in the year to make an assessment of the general demand situation for 1996, the paper sums up.

COMPANY: MODO

PRODUCT: Writing & Printing Paper (2621WP); Converted Paper Products (2640); Pulp (2611PU);  
EVENT: Commodity & Service Prices (72); Sales & Consumption (65); Market & Industry News (60);  
COUNTRY: Sweden (5SWE);

31/5/9 (Item 7 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06235087  
Intel reveals single customer owes it US\$ 470m  
US: ONE FIRM OWES INTEL A HEFTY US\$ 470mn  
Financial Times (FT) 29 Nov 1995 p.54  
Language: ENGLISH

Fears of a slow-down in US demand for consumer PCs has been **prompted** by the news that a US **maker** and supplier of **discount** consumer multimedia PCs, Packard Bell, owes a colossal US\$ 470mn to the US semiconductor maker Intel. The debt is so big that it has had to be changed into a loan. The sum amounts to 14% of the US\$ 3.4bn total receivables earned by Intel.  
(c) Financial Times 1995

COMPANY: PACKARD BELL; INTEL

PRODUCT: Semiconductor Devices (3674);  
EVENT: Company Financial Data (80);  
COUNTRY: United States (1USA);

31/5/10 (Item 8 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06139316  
Vitalisierungs-Spritze  
GERMANY: EDEKA BETS ON PRIVATE LABELS  
Lebensmittel Praxis (LS) 07 Apr 1995 p.14

Language: GERMAN

By the year 2000, the German food retail chain Edeka wants to double the external turnover with its private labels from DM 1.25bn in 1994. This is a reaction to brand article **producers** moving into **discount** outlets, which means a loss of credibility for traditional retailers. **Currently** private labels account for 4% of Edeka's turnover. 48 of the group's 2,300 suppliers account for some 50% of turnover, the big five of these for over 25%. In 1994 Edeka raised its German market share by 0.4% to 21% thanks to an expansion of selling space by 3% to just under 4bn square metres. Overall retail turnover grew by 3.3% to DM 52.48bn, wholesale turnover (Edeka Grosshandel) by 4.4% to DM 24.835bn. Edeka Zentrale posted a 10% turnover increase to DM 23.761bn. The biggest burden is the loss-making 25% affiliate Nanz, whose restructuring is to be completed by the end of 1995. The number of wholesale operations is to be reduced from 14 to 10 in 1995.

COMPANY: NANZ; EDEKA ZENTRALE; EDEKA GROSSHANDEL; EDEKA  
PRODUCT: Wholesale Trade (5000); Food Retailing (5400);  
EVENT: Companies Activities (10); Company Reports & Accounts (83);  
COUNTRY: Germany (4GER);

31/5/11 (Item 9 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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05736324  
Manufacturers prepare for leaner times  
WORLD - AIRCRAFT MAKERS CUT PRODUCTION RATES  
Avmark Aviation Economist (AVT) 0 January 1993 p14-19  
ISSN: 0265-3311

World: Large-scale cancellations and postponements are **now** affecting widebody aircraft and major **makers** have had to dramatically **reduce** their production **rates**. Meanwhile, although Lessor ILFC's pre-Christmas 1992 USDlr4 bil spending spree involving 82 companies helped boost the year's jet order total to the 1991 level of around 450, the deal failed to improve overall orderbooks. Aircraft order activity remained weak throughout 1992, with the industry still continuing to report losses. Extended article examines in further detail 1992 jet aircraft orders.

PRODUCT: Civil Aircraft (3721CI);  
EVENT: SALES & CONSUMPTION (65);  
COUNTRY: Earth - Planet (0W);

31/5/12 (Item 10 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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05416251  
Solace sought from high cobalt price  
WORLD/AFRICA - COBALT PRICE NEEDS TO BE LOWER  
Metal Bulletin (MB) 22 October 1992 p20  
ISSN: 0026-0533

World/Africa: Companies are looking for the African nations, especially Zaire and Zambia, to reduce the producer price of cobalt, in order to stimulate recovery within the industry. The current African price for cobalt is USDlr25/lb, with Europeans looking for a reduction to USDlr18-20/lb and the Japanese hoping for a reduction to USDlr15-18/lb. The **current** price is considered to be unenforceable by the African **producers**. A **reduction** in **price** will mean more customers willing to buy cobalt and draw up long term contracts. Japanese cobalt buyers are convinced that the industry will not pick up until 2nd-half 1993.\*\*

PRODUCT: Nonferrous Metals NEC (3339);  
EVENT: COMMODITY & SERVICE PRICES (72);



COUNTRY: Earth - Planet (0W); Africa (7A);

31/5/13 (Item 11 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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03246211  
PRICE OF INSTANT COFFEE TO BE REDUCED  
UK - PRICE OF INSTANT COFFEE TO BE REDUCED  
Daily Telegraph (DT) 23 January 1990 p1

Nestle (Switzerland), leading **instant coffee manufacturer**, will **reduce** the **price** of its 100g jar of standard Nescafe to GBP1.39, a reduction of some 20p, with other manufacturers also likely to reduce instant coffee prices. This follows a fall in the price of commodity coffee and an investigation by Sir G Borrie, Director General of Fair Trading.

PRODUCT: Processed Coffee (2095);  
EVENT: MARKET & INDUSTRY NEWS (60);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

31/5/14 (Item 12 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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03090531  
COMPETITION INCREASES IN SNACK FOOD MARKET  
US - COMPETITION INCREASES IN SNACK FOOD MARKET  
Times (TS) 11 December 1989 p21

PepsiCo (US), drinks and snack food concern, is market leader in the USD1r10 bil US snack food market with its Frito-Lay brands. Borden (US) ranks second, with 15%, while Keebler (US), division of United Biscuits (UK), ranks third with some 12%. Anheuser-Busch (US), brewer, plans to boost its share of the market to 10% vs **current** 2% with its Eagle brand, and **manufacturers** have already started dramatic **price reductions**. In 1990 the US snacks market is forecast to expand by 3%.

PRODUCT: Crisps & Snacks (2099CS);  
EVENT: MARKET & INDUSTRY NEWS (60);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia  
Treaty Organisation (913);

31/5/15 (Item 13 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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03084381  
COBALT PRODUCERS TO KEEP DISCOUNT STRUCTURE  
AFRICA - COBALT PRODUCERS TO KEEP DISCOUNT STRUCTURE  
Metal Bulletin (MB) 7 December 1989 p13  
ISSN: 0026-0533

African cobalt **producers** will keep the **present discount** structure for 1990 sales at 2-4% for small consumers and 8-10% for larger ones, with the producer price for cobalt also remaining unchanged at USD1r8.40. Cobalt demand is expected to exceed supply at 7% of the estimated 20-21k t output for 1989, however Gecamines (France) predicts production to reach 10k t having solved its flooding problems earlier in the year.

PRODUCT: Primary Iron & Steel (3310);  
EVENT: MARKET & INDUSTRY NEWS (60);  
COUNTRY: Southern Africa (7S); Western Africa (7W);

31/5/16 (Item 14 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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01636473

FOX'S LAUNCHES PRICE REDUCTION PROMOTION FOR JUMP  
UK - FOX'S LAUNCHES PRICE REDUCTION PROMOTION FOR JUMP  
Super Marketing (SMG) 15 January 1988 p9  
ISSN: 0039-5811

Fox's, biscuit **manufacturer**, has launched a **price reduction** promotion for Jump chewy cereal bars. 6-bar cartons will **now** retail for 59p instead of 75p. Jumbo Jump and Jump in Choc will also be reduced in price to 49p for a 3-bar pack.

PRODUCT: Crisps & Snacks (2099CS);  
EVENT: MARKETING PROCEDURES (24);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

31/5/17 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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7311172 INSPEC Abstract Number: C2002-08-1290F-037

**Title: Coordinating orders in supply chains through price discounts**

Author(s): Klastorin, T.D.; Moinzadeh, K.; Joong Son

Author Affiliation: Dept. of Manage. Sci., Washington Univ., Seattle, WA, USA

Journal: IIE Transactions vol.34, no.8 p.679-89

Publisher: Kluwer Academic Publishers,

Publication Date: Aug. 2002 Country of Publication: Netherlands

CODEN: IIETDM ISSN: 0740-817X

SICI: 0740-817X(200208)34:8L.679:COSS;1-V

Material Identity Number: H262-2002-008

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: In this paper, we examine the issue of order coordination between a supplier and multiple retailers in a decentralized multi-echelon inventory/distribution system where the supplier provides a product to multiple retailers who experience static demand and standard inventory costs. Specifically, we propose and analyze a new policy where a manufacturer, who outsources production to an original equipment manufacturer, offers a price discount to retailers when they coordinate the timing of their orders with the manufacturer's order cycle. We show that our proposed policy can lead to more efficient supply chains under certain conditions, and **present** a straightforward method for finding the **manufacturer**'s optimal price **discount** in this decentralized supply chain. A numerical experiment illustrates the managerial implications of our model as well as conditions when a manufacturer should consider adopting such a policy. (34 Refs)

Subfile: C

Descriptors: management science; optimisation; stock control; tariffs

Identifiers: order coordination; supply chains; price discounts;  
decentralized multi-echelon inventory/distribution system; static demand;  
standard inventory costs; original equipment manufacturer; optimal price discount

Class Codes: C1290F (Systems theory applications in industry); C1180 (Optimisation techniques)

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31/5/18 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2002 Institution of Electrical Engineers. All rts. reserv.

4895106 INSPEC Abstract Number: C9504-7480-073

**Title: Software for pipe bending**

Author(s): Scheffels, G.

Journal: Oelhydraulik und Pneumatik vol.39, no.2 p.102-3

Publication Date: Feb. 1995 Country of Publication: West Germany

CODEN: OEPNAQ ISSN: 0341-2660

Language: German Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Good planning is half the job"-this motto is particularly applicable to pipe bending. In the past most work in this field was done by hand. More emphasis was placed on the experience of the individual than on rational work preparation which would have **reduced reject rates** and ensured reproducible results. A **manufacturer** of pipe-bending machines has **now** developed a software program with which the parameters for pipe bending can be computed and stored for future reference. (0 Refs)

Subfile: C

Descriptors: bending; CAD/CAM; production engineering computing

Identifiers: pipe-bending machines; parameter computation; parameter storage; software

Class Codes: C7480 (Production engineering computing); C3350 (Control in industrial production systems)

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**31/5/19 (Item 1 from file: 474)**

DIALOG(R)File 474:New York Times Abs

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06026114 NYT Sequence Number: 254983911026

**IN NEW YORK CITY'S TABLOID WAR, THE COMBAT IS CLOSER AND FIERCER**

JONES, ALEX S

New York Times, Col. 5, Pg. 1, Sec. 1

Saturday October 26 1991

DOCUMENT TYPE: Newspaper; Statistics JOURNAL CODE: NYT LANGUAGE:

English RECORD TYPE: Abstract

**ABSTRACT:**

Fierce tabloid war continues in New York City, year after start of strike that nearly killed Daily News; figures show News has regained about half of lost circulation, although New York Post and New York Newsday have kept significant chunk of circulation they gained at News's expense; all of city's papers, including The New York Times, are sharply affected by economic slump, with advertising down overall more than 18% this year; graphs; Rupert Murdoch's News America Corp will resume inserting **manufacturers' coupons** in Sunday News, which is **now** owned by his archrival, Robert Maxwell; Newspaper Guild proceedings against members who crossed Daily News picket lines noted; Daily News is stunned by sudden death of newly-named managing editor John Cotter (M)

SPECIAL FEATURES: Graph

COMPANY NAMES: NEW YORK NEWSDAY; NEWSDAY; NEW YORK DAILY NEWS; NEWS

AMERICA CORP; NEW YORK TIMES; NEW YORK POST

DESCRIPTORS: NEWS AND NEWS MEDIA; INDUSTRY PROFILES; NEWSPAPERS; COMPANY AND ORGANIZATION PROFILES; DEATHS; ADVERTISING; COUPONS

PERSONAL NAMES: JONES, ALEX S; MURDOCH, RUPERT; MAXWELL, ROBERT; COTTER, JOHN M

GEOGRAPHIC NAMES: NEW YORK CITY

**31/5/20 (Item 2 from file: 474)**

DIALOG(R)File 474:New York Times Abs

(c) 2002 The New York Times. All rts. reserv.

05003777 NYT Sequence Number: 150229870119

**BAN ON CIGARETTE ADS TO BE URGED IN CONGRESS**

MOLOTSKY, IRVIN

New York Times, Col. 4, Pg. 1, Sec. 1

Monday January 19 1987

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT:

Backed by declaration by Surgeon Gen C Everett Koop that cigarettes harm nonsmokers and 1986 Supreme Court decision suggesting that Government could prohibit cigarette advertising, advocates of such ban are planning major push for it in Congress this year; at issue is over \$2 billion a year that cigarette companies spend to place advertising in magazines and newspapers and to sponsor major events; Sen Bill Bradley is seeking laws to double excise tax from **present** 16 a pack to 32 and prohibit cigarette **manufacturers** from reporting advertising **expenses** as tax **deductions**; bill prohibiting advertising was first introduced in last session of Congress by Rep Mike Synar; graph shows increase in tobacco advertising (M)

SPECIAL FEATURES: Graph

COMPANY NAMES: SUPREME COURT (US)

DESCRIPTORS: SMOKING; DECISIONS AND VERDICTS; ADVERTISING; LAW AND LEGISLATION; EXCISE TAXES

PERSONAL NAMES: MOLOTSKY, IRVIN; KOOP, C EVERETT (SURGEON GENERAL);

BRADLEY, BILL (SEN); SYNAR, MIKE (REPR)

GEOGRAPHIC NAMES: UNITED STATES

31/5/21 (Item 3 from file: 474)

DIALOG(R)File 474:New York Times Abs

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01152918 NYT Sequence Number: 038599820222

US auto dealers, at annual convention of National Automobile Dealers Assn in Atlanta (Ga), say consumers now look at cars more as transportation appliances than as status symbols, and are intensely price-sensitive.

Urge auto makers to convert their current rebates to permanent price reductions to stimulate sales (M.)

HOLUSHA, JOHN

New York Times, Col. 6, Pg. 1, Sec. 4

Monday February 22 1982

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

COMPANY NAMES: AUTOMOBILE DEALERS ASSN, NATIONAL

DESCRIPTORS: CONSUMER BEHAVIOR; PRICES; CONVENTIONS AND CONFERENCES; AUTOMOBILES; REBATES

PERSONAL NAMES: HOLUSHA, JOHN

GEOGRAPHIC NAMES: UNITED STATES

31/5/22 (Item 4 from file: 474)

DIALOG(R)File 474:New York Times Abs

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00975901 NYT Sequence Number: 093737790202

Little-publicized '77 Supreme Court decision regarding franchised sales outlets may effect consumers who shop for name brands in discount stores. Held that manufacturers had right to restrict number and location of franchised outlets if curbs enhanced producers' ability to compete in wider market. Effectively allows manufacturers to crack down on dealers who sell to discounters. Discounters claim decision will keep prices high but manufacturers insist they have legitimate right to protect franchises and upgrade products' images. Small discounters are likely to be hurt more than discount chains which buy directly from producer, but no immediate squeeze is expected because of large volume of goods available to discounters. Effect on individual companies detailed. Diagram of franchised dealers vs discount outlets, photo illustration (M.)

BLUMENTHAL, RALPH

New York Times, Col. 3, Pg. 1, Sec. 1

Friday February 2 1979

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

SPECIAL FEATURES: Diagram; Photo  
COMPANY NAMES: LAUDER, ESTEE, INC; REVLON INC; SONY CORP; SUPREME COURT  
(US); LANVIN-CHARLES OF THE RITZ INC; CHARLES OF THE RITZ  
DESCRIPTORS: PRICES; SMALL BUSINESS; TRADEMARKS AND TRADE NAMES; ANTITRUST  
ACTIONS AND LAWS; ANTITRUST LAW; PRICE-FIXING; PRICE FIXING; DECISIONS  
AND VERDICTS; JURY VERDICTS; DECISIONS; VERDICTS; COURT DECISIONS;  
DEPARTMENT AND CHAIN STORES; DEPARTMENT STORES; DISCOUNT SELLING;  
DISCOUNT HOUSES; DISCOUNTS; FRANCHISES AND LICENSING AGREEMENTS;  
LICENSING AGREEMENTS; CONCESSIONS (SALES AND SERVICE); FRANCHISES (RETAIL  
TRADE); PRICES (GENERAL); PRICE TRENDS; INFLATION  
PERSONAL NAMES: BLUMENTHAL, RALPH

31/5/23 (Item 5 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

00652252 NYT Sequence Number: 114597750216  
Continental Oil Co chmn Howard W Blauvelt article says there should be no  
major price or tax increases for oil until econ begins to recover. Says  
that once recovery begins, price controls on oil and gas should be lifted  
and temporary windfall profits tax, coupled with plowback provision, may  
be imposed. Urges retention of foreign tax credit to enable US cos to  
lessen dependence on Mideast oil and new energy taxes to encourage  
conservation. Recommends development of offshore oil reserves, strip  
mining of Western coal, research into alternative fuels, and  
establishment of oil stockpiles and standby rationing authority in order  
to cope with cutoff of supplies. Says US should join with other consuming  
countries to coordinate policies and arrange meetings with producers  
with objective of achieving modest price reduction or price  
stability at roughly current level. Says consumers and producers must  
work out long-range plan for recycling petrodollars. Graph of US GNP from  
3d qr '73 to 4th qr '74 (M).)

BLAUVELT, HOWARD W  
New York Times, Col. 3, Pg. 12, Sec. 3  
Sunday February 16 1975  
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
RECORD TYPE: Abstract  
SPECIAL FEATURES: Graph  
COMPANY NAMES: CONOCO INC; PETROLEUM EXPORTING COUNTRIES, ORGANIZATION OF  
(OPEC)  
DESCRIPTORS: COAL; ECONOMIC CONDITIONS AND TRENDS; ENERGY AND POWER;  
EXCESS PROFITS TAX; EXCISE TAXES; FOREIGN TAX CREDIT; GAS (ILLUMINATING  
AND FUEL); INCOME TAX; INTERNATIONAL RELATIONS; INTERNATIONAL TRADE AND  
WORLD MARKET; OFFSHORE EXPLORATION AND INSTALLATIONS; OIL (PETROLEUM) AND  
GASOLINE; PRICES; PUBLIC PROPERTY; RATIONING AND ALLOCATION OF RESOURCES;  
RATES; RESEARCH; STOCKPILING; STRIP MINING; TAXATION; WAGE AND PRICE  
CONTROLS  
PERSONAL NAMES: BLAUVELT, HOWARD W  
GEOGRAPHIC NAMES: MIDDLE EAST; UNITED STATES

31/5/24 (Item 1 from file: 99)  
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2002 The HW Wilson Co. All rts. reserv.

2091606 H.W. WILSON RECORD NUMBER: BAST90050647  
**Coal-oil pipeline could cross Canada**  
Salaff, Stephen;  
Coal v. 95 (Sept. 1990) p. 62-4  
DOCUMENT TYPE: Feature Article ISSN: 1040-7820 LANGUAGE: English  
RECORD STATUS: Corrected or revised record

ABSTRACT: The proposed coal-oil mixture transportation (transCOM) project  
could provide Ontario Hydro with virtually limitless western Canadian coal  
at a **reduced price**. Western Canadian coal **producers** are **currently**  
hard pressed to compete with U.S. producers closer to the power plants of

southern Ontario; transport costs account for 50-60 percent of the cost of western Canadian coal delivered to Ontario Hydro's Nanticoke generating station, compared to 20-40 percent for Appalachian coal. The transCOM project entails the year-round pumping of coal-in-oil slurry through an oil pipeline eastward from Edmonton, Alberta, to southern Ontario. The project was developed by Unocal specifically for coal from the Obed Mountain mine near Hinton, Alberta, and the project's first phase began in early 1987. Because Unocal has left the coal mining business, however, the future of transCOM now depends on western Canadian coal producers advancing the project through a consortium of supporting firms.

DESCRIPTORS: Coal slurry pipe lines--Canada; Coal-oil mixture;

36/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01806866 ORDER NO: AADAA-I9936592

**Prepartum selection of Holstein heifers to maximize profit of Michigan dairy producers**

Author: Radke, Brian R.  
Degree: Ph.D.  
Year: 1998  
Corporate Source/Institution: Michigan State University (0128)  
Adviser: James W. Lloyd  
Source: VOLUME 60/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 2607. 306 PAGES  
Descriptors: ECONOMICS, AGRICULTURAL ; AGRICULTURE, ANIMAL CULTURE AND  
NUTRITION ; BIOLOGY, GENETICS  
Descriptor Codes: 0503; 0475; 0369  
ISBN: 0-599-37654-6

Based on the culling optimization and simulation literature, it can be concluded that the Michigan dairy industry has an excessive cull rate, dictating the need for a method of prepartum heifer selection. First lactation milk production is a proxy for animal profitability. Based on the data of 5,123 Michigan Holstein heifers, parents' PTA of milk, fat, and protein available just prior to the heifers' calvings account for under 7% of the within herd variation in milk production. While diffuse, the distribution of within herd rank correlations between actual and predicted mature equivalent milk production, based on genetic evaluations, was skewed to the left suggesting the evaluations may be useful in prepartum. heifer selection. It also appeared herd could be modeled as a random effect. Despite evidence that first lactation milk production did **influence producers'** culling decisions, parents' PTA of milk, fat and protein estimated **after** the birth of 5,619 Michigan Holstein heifers were unable to predict heifer culling during rearing or first lactation. This also suggested Michigan producers were not basing their culling decisions on genetics. There appeared to be little difference in the voluntary nature of voluntary versus involuntary cullings casting doubt on the existence or utility of such a culling classification scheme. Modified Box-Complex, a search algorithm, was used to determine optimal heifer selection rules under three scenarios. Separate data sets of 58 and 57 Michigan herds were used to derive and test the rules, respectively. Genetic data consisted of PTA milk, fat, protein, and associated reliabilities of each parent in each of the four periods. Considerable sampling error was encountered in terms of rule performance between the samples used to derive and test the selection rules. Regardless of scenario, selection based on EBV of milk in the most profitable period to sell heifers performed comparably to the rule developed by Complex. Use of either of these rules resulted in a \$20 per heifer improvement in profit over random selection. While heifer selection based on EBV milk is more profitable than random selection, only a portion of the profit available in heifer selection is being captured.

36/5/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01735580 ORDER NO: AADAA-INQ47291

**Success and failure in British Columbia's softwood plywood industry, 1913 to 1999**

Author: Griffin, Robert Brian  
Degree: Ph.D.  
Year: 2000  
Corporate Source/Institution: University of Victoria (Canada) (0244)  
Adviser: Peter Baskerville  
Source: VOLUME 61/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1123. 404 PAGES  
Descriptors: HISTORY, EUROPEAN ; AGRICULTURE, WOOD TECHNOLOGY  
Descriptor Codes: 0335; 0746

British Columbia's plywood industry between 1913 and 1935 bore little relationship to the industry of the post-World War II period. In 1913, the Canadian Western Lumber Company's Fraser Mills plant manufactured Douglas fir plywood, but until the late 1930s the largest part of its production was used in door manufacture. Two cottonwood plywood manufacturers, Laminated Materials Company (1913&ndash;1931) at New Westminster and the British Columbia Veneer Works (1928&ndash;1945) at Nelson, sold their plywood for interior wall paneling and specialty uses such as packing crates. The opening of the H. R. MacMillan Export Company's (MacMillan Bloedel) Vancouver plywood plant in 1935 and its Alberni plant, built in 1942, began a new era of plywood production. Sanded Douglas fir plywood dominated sales. The major producers (MacMillan Bloedel, Canadian Forest Products, Crown Zellerbach, British Columbia Forest Products, and Weldwood), assisted by the Plywood Manufacturers Association of British Columbia, targeted customers and created demand for waterproof Douglas fir plywood. The major producers established a network of wholesale warehouses across Canada and used these warehouses as a competitive strategy to develop and influence sales.

The major manufacturers after World War II used the high profits generated by Douglas fir plywood to assist their expansion into integrated forest products. Each company chose a different strategy of expansion and adapted its plywood production to suit its corporate goals. Plywood became one product among several and declined in importance for each company. By the 1970s substitute products such as oriented strand board were being promoted as replacements for plywood. Cheaper production costs and the use of waste wood fibre, instead of high quality Douglas fir logs, meant that government and industry favourably viewed the substitute products. The high value of old growth Douglas fir logs and increased costs in all aspects of production resulted in the closure of all but one coastal plywood plant, Richmond Plywood, by 1999. Exports were a small percentage of total plywood sales and did not compensate for declining domestic demand.

The interior plywood industry was re-established in 1951 with the opening of Western Plywood's Quesnel plant. A number of plants, scattered throughout the interior, produced plywood using small logs and species other than coastal Douglas fir. Production was mainly sheathing used to clad building floors, roofs, and walls. The scattered nature of plant location, cheaper log costs, small log processing technology, and different harvesting tenures contributed to the success of interior plywood production.

The large producers closed their coastal plywood plants arguing that production costs were too high and that other products were replacing plywood in the marketplace. The prosperity of interior plywood manufacturing suggests that the coastal industry stopped production because neither government nor manufacturers saw any reason to seek viable alternatives. The forest industry's diverse nature and its perception of future, based on past activities, supported the closure of the coastal plants and the continued survival of the interior plants within a new forest economy.

36/5/3 (Item 3 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01693524 ORDER NO: AAD99-22390

**INSTITUTIONAL ECONOMICS OF ARABICA COFFEE MARKETING IN CAMEROON  
(AGRICULTURAL MARKETING)**

Author: WESSEN, PAUL DAVID

Degree: PH.D.

Year: 1998

Corporate Source/Institution: MICHIGAN STATE UNIVERSITY (0128)

Adviser: A. ALLAN SCHMID

Source: VOLUME 60/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 829. 432 PAGES

Descriptors: ECONOMICS, AGRICULTURAL ; BUSINESS ADMINISTRATION,  
MARKETING



Between 1990 and 1994, Cameroon reformed arabica coffee marketing institutions and restructured existing marketing cooperatives. By introducing an institutional market structure that more effectively resolved problems of economic coordination posed by the arabica situation of high information costs, reform anticipated a significant improvement in performance. A case study of the arabica reform experience provides an opportunity to study performance under alternative institutional market structures in the context of a location-specific situation, and to provide insight into conducting institutional reform.

The study employs impact analysis to evaluate performance under the administered and the reformed market structures, focusing on how alternative institutions interact with situation to affect performance. The study analyzed cooperative marketing data which was supplemented by field observations and informal interviews.

The pre-reform administered market structure was poorly adapted to the arabica situation and failed to provide incentives for marketing organizations to economize, for farmers to produce, or for farmers and cooperatives to invest in quality. Performance was characterized by a long-term trend of declining real producer prices, decreasing production, increasing per-kilo marketing costs, and deteriorating quality. The system eventually collapsed in 1988/89.

Reform sought to restore profitability within the arabica subsector by creating incentives for cooperatives to economize and for both farmers and cooperatives to invest quality. This entailed the introduction of a market-like institutional structure and a fundamental restructuring of marketing and governance relationships within North West Cooperative Association (NWCA). But reform only partially resolved high information cost problems, in part due to compromises made during implementation.

Under the reformed market structure, producers were the direct beneficiaries of the 1994 devaluation of the CFA franc and rising world coffee prices. Although per-kilo cooperative costs were reduced significantly during reform, there was a trend of rising costs **after** reform. Higher **producer** prices **induced** an increase in arabica production and a shift in regional marketing patterns. Although the study identified a positive quality response among cooperatives and producers during and after reform, problems remained.

If NWCA is to sustain the observed improvement in performance it will have to extend the reform process and modify the institutional structure that was implemented to reinforce incentives to economize. Sustained improvement in quality will depend on NWCA's ability to better use available measures of quality to distinguish and differentially reward producers and cooperatives for quality. But institutional reform is an inherently difficult process. Compromises made during implementation can have a strong impact on institutional performance.

36/5/4 (Item 4 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01607901 ORDER NO: AAD98-09157

**EFFECTS OF INVOLVEMENT, EXPECTATIONS, ATTITUDES, AND SELECTED DEMOGRAPHICS ON POLICY-MAKING INTENTIONS AMONG PRESIDENTS AND ADVANCEMENT OFFICERS OF SELECTED INSTITUTIONS**

Author: RHINEHART, PAUL THOMAS

Degree: PH.D.

Year: 1997

Corporate Source/Institution: THE UNIVERSITY OF SOUTHERN MISSISSIPPI (0211)

Director: ARTHUR SOUTHERLAND

Source: VOLUME 58/09-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3442. 276 PAGES

Descriptors: EDUCATION, HIGHER ; EDUCATION, ADMINISTRATION ; POLITICAL SCIENCE, PUBLIC ADMINISTRATION

Descriptor Codes: 0745; 0514; 0617

Policy making in higher educational institutions is a notoriously complex process. Several factors inherent in the educational enterprise contribute to this complexity, including shared governance and multiple goals. The complexity of the policy-making process may lead to incoherent and destructive policy patterns.

Thus, the purpose of this study was to improve the conceptualization of the processes which comprise higher education policy making. Specifically, this study examined higher education policy making by applying Ajzen and Fishbein's theory of planned behavior, expectancy-value theory, Grunig's situational communication theory, and other cognitive motivation and decision-making research. Other purposes of this study were to furnish information for improving communication and public relations, developing policy innovations, and assisting in persuasion and policy implementation.

Based on cognitive motivation theory, it was proposed that (a) policy makers' intentions would be influenced by their attitudes and expectations (i.e., beliefs); (b) the relationships among the latter variables would be stronger for policy makers who were highly involved with the policy; (c) policy makers' expectations would be related to their involvement; and (d) involvement and expectations would be related to policy makers' demographics. The following expectations were examined: (a) expected external outcomes, (b) expected affective outcomes, (c) expected subjective norms, and (d) expected ability (i.e., self-efficacy).

The population for the study were policy makers at public colleges and universities in selected Carnegie classifications in 15 southeastern states, who were members of the Council for Advancement and Support of Education (CASE). Officials were selected from the following occupational categories: state government relations, foundation/development, alumni affairs, president, and communications/public relations. Officials were mailed a survey asking their views for a specific state relations policy having to do with accountability and the use of performance measures in state funding proposals.

Analyses were conducted using structural equation modeling (LISREL), ANOVAs, and Pearson correlations. Findings included the following: (a) policy makers' intentions were significantly influenced by their attitudes and expectations; (b) relationships among the latter variables did not differ significantly across subgroups of varying involvement; (c) expectations were significantly related to involvement; (d) involvement was significantly related to various demographics.

36/5/5 (Item 5 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01429720 ORDER NO: AADAA-I9529340

**THE POLITICAL ECONOMY OF AGRICULTURAL POLICY IN BRAZIL: INTEREST GROUPS AND THE PATTERN OF PROTECTION**

Author: HELFAND, STEVEN M.

Degree: PH.D.

Year: 1994

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, BERKELEY (0028)

Chair: ALAIN DE JANVRY

Source: VOLUME 56/05-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1904. 273 PAGES

Descriptors: ECONOMICS, AGRICULTURAL; HISTORY, LATIN AMERICAN

Descriptor Codes: 0503; 0336

This dissertation examines the causes for the pattern of protection across products in Brazilian agriculture from 1964 to 1991. Four key determinants of policy are explored: interest group pressure, government objectives, economic crisis, and change in political regime.

Econometric results suggest that the pattern of nominal protection depended on government efforts to raise tax revenues, generate foreign exchange, and control inflation. Interest group characteristics associated with lowering the costs of generating political pressure and increasing the returns per member also influenced the protection rates. Smaller groups that were geographically concentrated and composed of large producers were

more successful in influencing policy.

Analysis of support price policy revealed a fixed hierarchy among products regarding the level of support prices, with most of the differences justifiable on technical grounds. Annual adjustments exhibited considerable similarity across products and were highly correlated with the real exchange rate. The margin in which lobbies could have operated is contained within the unexplained 10-25% of the yearly adjustments.

Credit subsidies are estimated at over 1.8 billion 1992 dollars per year (1969-1990). Tradables benefited more than non-tradables, and wheat and soybeans captured significantly more than if the subsidies had been allocated according to each product's share in the value of production. Inequality in allocation is shown to derive, in part, from the government's agenda to generate foreign exchange and stimulate food production, and from the **influence** of large **producers** of favored commodities.

**Based on** fifty interviews with politicians and interest group leaders, the final chapter explores the history, institutions, and politics of agricultural policy formulation. While the economic crisis of the 1980s caused policy to be redesigned, the change in political regime and in the institutions of interest group representation influenced the process. Democratization led to the questioning of corporatism and the emergence of more participatory organizations. The return to a democratic regime led to a greater role for the Congress and Judiciary. These changes have caused policy making to become more subject to explicit rules, which should lead to more predictable policies and a long-term reduction in direct taxation of Brazilian agriculture.

36/5/6 (Item 6 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01367592 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.

**MAKING POLITICAL FILMS POLITICALLY? THE FILM-MAKING PRACTICE OF JEAN-LUC GODARD (GODARD JEAN LUC, FRANCE)**

Author: CANNON, STEPHEN

Degree: PH.D.

Year: 1993

Corporate Source/Institution: UNIVERSITY OF ASTON IN BIRMINGHAM (UNITED KINGDOM) (0734)

Source: VOLUME 55/03-C OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 688.

Descriptors: CINEMA

Descriptor Codes: 0900

This thesis attempts to re-examine the work of Jean-Luc Godard and in particular the claims which have been made for it as the starting-point for a revolutionary cinema.

This re-examination involves, firstly, a critical summary of the development of Structuralist thinking, from its origins in linguistics, with Saussure, through to its influence on Marxism, with Althusser. It is this 'Structural Marxism' which prepares the ground for a view of Godard as a revolutionary film- **maker** so its **influence** on film theory in the decade **after** 1968 is traced in journals such as Cahiers du Cinema and Screen and in the work of their editors and contributors.

Godard's relationship with such theories was a complex one and some of the cross-breeding is revealed in a brief account of his own ideas about his film-making. More important, however is his practice as a committed 'political' film-maker between 1968 and 1972 which is analysed in terms of the responses it makes to the cultural opportunities offered in the period after the revolutionary situation of May 1968.

The severe problems revealed by that analysis may be partially resolved in Godard's greatest 'political' achievement *Tout va bien*, but a comparative analysis proves that in earlier 'a-political' films such as *Vivre sa vie*, he was creating more meaningful and perhaps even more revolutionary art, whose formal experimentation is more organically linked to its subject and whose ability to communicate ideas far outstrips the later work.

In conclusion some indications are suggested of a more fruitful basis

for Marxist theories of art than Structural variants, seeking a non-formalist approach in the work of Marx, of Trotsky, of Brecht and Lukacs.

36/5/7 (Item 7 from file: 35)  
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01281712 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.  
**A CONCEPTUAL FRAMEWORK OF DISTRIBUTION INTENSITY (MANUFACTURER NEEDS, MARKET CONTROL)**

Author: LASSAR, WALFRIED MANUEL  
Degree: PH.D.  
Year: 1992  
Corporate Source/Institution: UNIVERSITY OF SOUTHERN CALIFORNIA (0208)  
Chair: GARY L. FRAZIER  
Source: VOLUME 53/12-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4406.  
Descriptors: BUSINESS ADMINISTRATION, MARKETING  
Descriptor Codes: 0338

Although distribution intensity is a key element for channel design decisions, research interest has been limited. Several conceptual frameworks have been advanced, yet few have focused on the construct of distribution intensity and none has been empirically tested. This study aims to expand our understanding of distribution intensity by looking at the construct within one product category. It develops an integrated conceptual framework of the construct **based on** two major components. The first framework component deals with **manufacturer influence** on distribution intensity **based on** product positioning, the scope of targeted market segments, and manufacturer need for marketing control within the channel. The second framework component focuses on intermediaries, especially their motivation to participate in a manufacturer's distribution network. The framework establishes financial attractiveness, and barriers to entry as major factors driving intermediary participation in a distribution network. It is intended to explain variation of distribution intensity levels across bands within one product line. Due to its exploratory nature, the framework is primarily tested via multiple regression estimation procedures. Estimation via simultaneous equations in a two step least square procedure generally confirm the manufacturer aspect of the framework and its influence on distribution intensity. Support for the intermediary component of the framework is mixed. (Copies available exclusively from Micrographics Department, Doheny Library, USC, Los Angeles, CA 90089-0182.)

36/5/8 (Item 8 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01213930 ORDER NO: AADMM-59057  
**RETIREMENT AGE POLICIES AND THE EXCLUSION OF WOMEN**

Author: MILDENBERGER, VALERIE I.  
Degree: M.S.W.  
Year: 1990  
Corporate Source/Institution: CARLETON UNIVERSITY (CANADA) (0040)  
Source: VOLUME 30/02 of MASTERS ABSTRACTS.  
PAGE 248. 353 PAGES  
Descriptors: SOCIAL WORK; GERONTOLOGY; WOMEN'S STUDIES  
Descriptor Codes: 0452; 0351; 0453  
ISBN: 0-315-59057-2

This thesis reveals retirement as an androcentric construct which has excluded women, resulting in inaccurate and inequitable retirement age policies.

The analysis, which starts from the standpoint of women, takes retirement as problematic. It shows that the development and underlying

ideologies of the theories and perspectives of analysis of retirement which **influence** policy makers , are **based** on ageist notions of productivity and efficiency in the workforce and traditional gender roles and divisions of labour.

An historical examination of retirement and the policies in the United Kingdom reveals that they are part of the national political economy, used to address changes in the mode and location of production and fluctuations in the labour market, rather than concerns for the older worker. Further, the exclusion of women's realities from the process and the resulting inequities, are part of the oppression of women, yet knowledge of this is hidden by the same androcentrism from which the construct of retirement emerged.

36/5/9 (Item 9 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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1056537 ORDER NO: AAD89-02752

**PROFESSIONAL WRITERS AND WORD PROCESSING**

Author: REDMOND, CLAIRE ELLEN

Degree: PH.D.

Year: 1988

Corporate Source/Institution: UNIVERSITY OF RHODE ISLAND (0186)

Source: VOLUME 50/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 89. 273 PAGES

Descriptors: EDUCATION, LANGUAGE AND LITERATURE

Descriptor Codes: 0279

The purpose of this study was to investigate whether the use of the word processing technology influenced the writing processes of three professional writers at Honeywell Bull, Inc. Two of the subjects were developers of Self-Instructional (S-I) courses, the primary writing task in the Education Systems Department; the third writer was a contract writer/producer of video tapes, a component of Self-Instructional Materials.

The data compiled from three questionnaires, a written account and four group discussions identified the writers' strategies, the various types of word processing implementation and the major influence(s) on their processes. Analysis of written materials available at the time of an interview session verified the findings.

The findings indicate that cognitive processes and social interaction determined how the writers implemented the technology. Identification of the role of the task in the business environment and the writers' knowledge of the nature of the task were central to understanding the influence(s) on their processes. Education and experience influenced the processes of the video writer/producer ; the environment **influenced** the processes of the developers. Further studies and guidelines **based** on the format of this study are recommended for academic and non-academic research.

36/5/10 (Item 10 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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0982823 ORDER NO: AAD88-03218

**ANALYSIS OF PRICE EXPECTATIONS OF SELECT ILLINOIS HOG PRODUCERS**

Author: TAYLOR, WILLIAM JOSEPH

Degree: PH.D

Year: 1987

Corporate Source/Institution: UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN (0090)

Source: VOLUME 49/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 0124. 260 PAGES

Descriptors: ECONOMICS, AGRICULTURAL

Descriptor Codes: 0503

This dissertation identifies and models the subjective probability

distribution of an unknown decision variable, hog price expectations. The four specific goals were: (1) to describe the shape of the subjective probability distribution; (2) to examine how the expectations behave over time and across individuals; (3) to determine how these expectations can best be represented with models based on secondary data; and (4) to identify individual characteristics which are associated with changes in producers subjective probability distributions.

Subjective probability distributions on quarterly price expectations for hogs were obtained from 68 hog producers in Western Illinois. The data indicated that aggregate price expectations were normally distributed. The variance of the price expectations increased as the time between the expectation and realization of the actual price. Individual characteristics did not reveal any factors that could be determined to influence producers' price expectations.

In an effort to best represent the producers' price expectations four models were considered. These models included: (1) a naive model where price expectations remain the same as in the previous period; (2) an adaptive model estimated by an optimal univariate time series of historic prices; (3) a quasi-rational expectations model as estimated by a vector autoregressive model of factors identified by **producers** that **influence** hog prices; and (4) a futures market model **based on** the information contained by the futures prices for the appropriate time periods.

Producer price expectations for a one quarter lead time were most accurately modeled by the naive model. As the time period increased to two and three quarter the quasi-rational expectations model provided the best estimates of the producers' expectations. The futures market model also performed well for the second and third quarter in representing price expectations. The adaptive model consistently performed poorly.

The dissertation has shown that producers' expectations, an unobservable decision variable, can be identified and modeled. However, efforts to identify individual characteristics that influence price expectations were not found.

36/5/11 (Item 11 from file: 35)  
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864881 ORDER NO: AAD84-29248  
**INTERNATIONAL LABOR MIGRATION AND FLORIDA SUGARCANE PRODUCTION: A  
POLITICAL-ECONOMIC ANALYSIS (WELFARE ECONOMICS, REGULATION)**  
Author: MEHRA, REKHA  
Degree: PH.D.  
Year: 1984  
Corporate Source/Institution: THE UNIVERSITY OF FLORIDA (0070)  
Source: VOLUME 45/09-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 2945. 175 PAGES  
Descriptors: ECONOMICS, AGRICULTURAL  
Descriptor Codes: 0503

This study attempts to fill the gap in the political-economic literature caused by the neglect of the bureaucratic implementation process in favor of the legislative policy-making aspect. The issue concerns the employment of nonimmigrant (H-2) Caribbean workers by the Florida sugarcane industry. Since 1943, sugar producers have obtained annual Justice Department approval for the entry of about 8,000-9,000 Caribbean sugarcane cutters despite intermittent opposition from U.S. groups who argue that some domestic workers should be hired.

The issue is examined within the context of the distributional welfare consequences of hiring nonimmigrant workers upon sugar producers and workers. Worker earnings and producer surplus areas are calculated on the basis of results derived from estimating the parameters of a simultaneous equations model of the Florida sugarcane harvest labor and product market. The model reduced form yields predictions on wage and employment levels that are used to examine the consequences of varying the government administered adverse effect wage rate (AEWR), which is the minimum hourly wage that producers are required to pay nonimmigrant workers.

Contradictory to what might be expected, increasing the level of the AEWR enlarges **producer** surplus, providing little **incentive** to keep this wage low. However, the political index **based** on the theory of policy subgovernments, and constructed to reflect **producer** group **influence** upon the relaxation of the official acreage quota (prior to 1974) and on the level of the AEWR, performed well in the structural model.

The calculated area of the addition to producer surplus, amounting to \$18,808,230 in 1981 over the competitive solution, and corresponding increases resulting from higher levels of the AEWR provide incentives for producer group political influence-seeking to maintain the regulatory environment that allows nonimmigrant worker employment. Similar increases in associated worker returns based on the AEWR establish incentives for political influence-seeking among nonimmigrant workers.

36/5/12 (Item 1 from file: 583)

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06304355

British Air Delays Its Plan to Order Up to 60 Jets

UK: BRITISH AIRWAYS PUTS PROJECT BON HOLD

Wall Street Journal Europe (WSJ) 02 May 1996 p.3

Language: ENGLISH

Three months **after** having **invited** five regional aircraft- **manufacturers**, including Airbus Industrie and Boeing, to bid for the supply of 60 new commuter jetliners of capacities ranging between 80 and 120 passengers, British Airways has decided to put the US\$ 1bn investment plan on hold. The company has said that the tender process had been stopped in order to evaluate other aspects of its regional programme. Some analysts believe that the decision to defer the purchase could have been made in order to benefit from a better deal.

COMPANY: BRITISH AIRWAYS; BOEING; AIRBUS INDUSTRIE

PRODUCT: Passenger Air Transport (4501); Scheduled Airlines (4510); Civil Aircraft (3721CI);

EVENT: Plant/Facilities/Equipment (44); Capital Expenditure (43); Use of Materials & Supplies (46); Contracts & Orders (61);

COUNTRY: United Kingdom (4UK);

36/5/13 (Item 2 from file: 583)

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06171303

Wool market tipped to rebound

CHINA: WOOL MARKET TO PICK UP IN SECOND HALF

South China Morning Post (XKT) 29 Jun 1995 BP p.4

Language: ENGLISH

China's wool market is expected to rebound in the second half of this year after a price slide in between April and June, the China Textile Resources Corp said. The declining output and high prices of the world's major wool **producers** are expected to **stimulate** the country's market **after** the slump brought on by falling wool prices and higher imports in March and April. China imported 320,000 tonnes of wool in 1994, up from 200,000 a year earlier. \*

COMPANY: CHINA TEXTILE RESOURCES

PRODUCT: Wool (0214WO);

EVENT: Market & Industry News (60); Sales & Consumption (65);

COUNTRY: China (9CHN);

36/5/14 (Item 3 from file: 583)  
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05872105

Apple Slashes PC Prices in the U.S., Seeking to Boost Its Market Sha\  
US: APPLE IN PC PRICE CUT  
Wall Street Journal Europe (WSJ) 13 July 1993 p. 5  
Language: ENGLISH

Apple Computer of Cupertino, California, has cut US prices on many of its most popular personal computers (PCs) by as much as a third in a further effort to boost market share. These reductions occur only a month **after** the PC **maker** started offering **rebates** and price reductions on mid priced Macintosh machines. Apple has been forced recently into bolder price reductions as rivals swamp the market with cheap machines which approach the Macintosh's ease of use. Analysts say that Apple's move is a gamble because it is not known whether the lower prices will provoke enough customer demand to offset another squeeze on the firm's profit margins.

COMPANY: APPLE COMPUTER

PRODUCT: Microcomputers (3573MI);  
EVENT: Plant/Facilities/Equipment (44);  
COUNTRY: United States (1USA);

36/5/15 (Item 4 from file: 583)  
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02064433

TENDERS INVITED FOR POWER STATION CONTRACT  
IRAQ - TENDERS INVITED FOR POWER STATION CONTRACT  
Middle East Marketing Organisation (MEMO) 9 August 1988 p5

Tenders are being **invited** from pre-**qualified manufacturers** to supply 300MW oil or gas fired turbine generators and also for the supply of boilers Al Anbar 1,200MW plant to be constructed on a site near Ramadi, the Western bank of the Euphrates. Financing of 10% is required for the work. The closing date is 3 September 1988. Consultant for the work is Fichtner Consulting Engineers of W Germany (Box 8810 Doha, Telephone 435728, Telex 4990FC DH).

PRODUCT: Boilers (3443BO); Engines & Turbines (3510); Electricity  
Generation (4911);  
EVENT: CONTRACTS TENDERED (61);  
COUNTRY: Iraq (8IRB);

36/5/16 (Item 5 from file: 583)  
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02062314

BIDS INVITED FOR TURBINE GENERATORS  
IRAQ - BIDS INVITED FOR TURBINE GENERATORS  
Middle East Marketing Organisation (MEMO) 9 August 1988 p5

**Qualified manufacturers** are **invited** to bid for the supply of four 350MW oil or gas fired turbine generators and the supply of boilers for the 1,400MW Al Shamal power plant construction near Mousl. Closing date is 31 August 1988.

PRODUCT: Boilers (3443BO); Engines & Turbines (3510); Electricity  
Generation (4911);  
EVENT: CONTRACTS TENDERED (61);



COUNTRY: Iraq (8IRB);

36/5/17 (Item 6 from file: 583)  
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00124064

YAMANI ANNOUNCES OIL SUMMIT

WORLD - YAMANI ANNOUNCES OIL SUMMIT  
Daily Telegraph (DT) 1 March 1986 pl

Sheikh Yamani, the Saudi oil minister, has announced that there is to be a world oil summit to try to reach agreement over price and production of oil. All of the oil **producers** are to be **invited** to Geneva **after** the next conference with OPEC due on Mar 16, 1986. Britain is likely to reject the invitation.\*

PRODUCT: Oil Extraction (1300OE); Crude Oil (1311); Oil (2910);  
EVENT: MARKET & INDUSTRY NEWS (60);  
COUNTRY: Earth - Planet (0W); United Kingdom (4UK); OECD Europe (415);  
NATO Countries (420); South East Asia Treaty Organisation (913);

36/5/18 (Item 1 from file: 2)  
DIALOG(R) File 2:INSPEC  
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7311174 INSPEC Abstract Number: C2002-08-1290F-039

**Title: Coordination of joint pricing-production decisions in a supply chain**

Author(s): Wen Zhao; Yunzeng Wang

Author Affiliation: Dept. of Mech. & Ind. Eng., Illinois Univ., Urbana, IL, USA

Journal: IIE Transactions vol.34, no.8 p.701-15

Publisher: Kluwer Academic Publishers,

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SICI: 0740-817X(200208)34:8L:701:CJPP;1-N

Material Identity Number: H262-2002-008

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

**Abstract:** We consider the coordination of dynamic, joint pricing-production/ordering decisions in a decentralized supply chain where a manufacturer outsources the product distribution/retailing function to an independent distributor/retailer. The manufacturer produces and wholesales the product to the distributor who, after some further processing, sells the product to an external market. In a leader-follower setting with convex production/ordering cost functions, both parties make pricing and production/ordering decisions over a discrete, finite-time horizon to maximize their respective profits. For a given manufacturer's wholesale price schedule, we develop a simple forward algorithm to solve the distributor's problem optimally, and prove a planning horizon property of the solution. Our key result is to show the existence of a manufacturer's price schedule that induces distributor to adopt decisions in the decentralized setting to achieve the performance of a centralized supply chain. **Based on** this channel-optimal pricing policy we then develop an **incentive** scheme for the **manufacturer** to achieve channel coordination. A numerical example is provided to compare the performance of different policies and reinforce the key managerial insights generated through an analysis. (38 Refs)

Subfile: C

Descriptors: costing; management; outsourcing; planning; production control

Identifiers: pricing-production decisions; supply chain; outsourcing; wholesales; leader-follower setting; profits; planning horizon; production control; management

Class Codes: C1290F (Systems theory applications in industry); C1290D (

36/5/19 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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03674568 INSPEC Abstract Number: B90050066

**Title: Monitoring particles in production vacuum process equipment: the nature of particle generation**

Author(s): Borden, P.

Author Affiliation: High Yield Technol., Sunnyvale, CA, USA

Journal: Microcontamination vol.8, no.1 p.21-4, 56-7

Publication Date: Jan. 1990 Country of Publication: USA

CODEN: MCRCE5 ISSN: 0738-713X

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Theoretical (T)

Abstract: Particle contamination during vacuum processing has a significant impact on VLSI process yield and has **motivated** most **manufacturers** to adopt particle control methods **based on** sampling inspection. Effective particle control in a vacuum process requires actions directed at the reduction of particle levels seen by product wafers, both when the levels are near a baseline and when they episodically rise to high levels. This article presents an equilibrium model of the particle baseline. Episodic events and their effect on yield are also discussed. (11 Refs)

Subfile: B

Descriptors: integrated circuit technology; particle counting; vacuum techniques; VLSI

Identifiers: particles monitoring; episodic events; production vacuum process equipment; VLSI process yield; particle control methods; sampling inspection; equilibrium model; particle baseline

Class Codes: B2570 (Semiconductor integrated circuits)

36/5/20 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2002 Institution of Electrical Engineers. All rts. reserv.

03463466 INSPEC Abstract Number: B89060195

**Title: A practical method for tailoring environmental stress screens**

Author(s): Victor, S.D.

Author Affiliation: Litton Guidance & Control Syst., Woodland Hills, CA, USA

Conference Title: Test 1989, ATE and Instrumentation Conference West. ATE and Instrumentation Conference Proceedings: Innovations in Test p.456-61

Publisher: MG Expositions Group, Boston, MA, USA

Publication Date: 1989 Country of Publication: USA x+550 pp.

Conference Sponsor: Electron. Test; Circuits Manuf.; EOS/ESD Technol

Conference Date: 23-26 Jan. 1989 Conference Location: Anaheim, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Tailoring environmental stress screens (ESS) for electronic systems is a process that requires definition. Tailoring can be an abstract process driven by unrelated goals. Optimizing latent defect detection and elimination should always be the objective of any tailored ESS. The author presents a practical method for tailoring ESS. The method is uniform and easy to apply. It is **based on** user reliability requirements and provides **incentives** for both **producer** and user. This is a statistically verifiable process that brings ESS testing into control. (1 Refs)

Subfile: B

Descriptors: electronic equipment testing; environmental testing; fault location; military equipment; reliability; statistical analysis

Identifiers: latent defect elimination; environmental stress screens; electronic systems; latent defect detection; user reliability requirements; statistically verifiable process

Class Codes: B0170E (Production facilities and engineering); B7910 (

Military circuits, components, and equipment); B0170N (Reliability)

36/5/21 (Item 4 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2002 Institution of Electrical Engineers. All rts. reserv.

00670344 INSPEC Abstract Number: B74029322

Title: **Quality assurance through profit control**  
Author(s): Slavik, M.M.  
Author Affiliation: South African Council Sci. & Industria, South Africal  
Res., Pretoria, South Africa  
Journal: Quality Engineer vol.38, no.4 p.75-9  
Publication Date: April 1974 Country of Publication: UK  
CODEN: QLEGAL ISSN: 0033-5215  
Language: English Document Type: Journal Paper (JP)  
Treatment: Theoretical (T)  
Abstract: Describes the development of an acceptance control scheme using  
the **producer** 's profit as **stimulus** , **based on** the assumption that the  
consumer can specify a desired product. The acceptance control is applied  
to the mean and variability simultaneously. The basic concepts are  
explained and applied to an example from which some general conclusions are  
drawn. (3 Refs)  
Subfile: B  
Descriptors: economics; optimisation; probability; quality control  
Identifiers: rising ridge surface; quality assurance; sampling; profit  
control; acceptance control; producer's profit; consumer; mean; variability  
Class Codes: B0170L (Inspection and quality control)

36/5/22 (Item 1 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

07656753 NYT Sequence Number: 823430990112  
**\$399 COMPUTERS FROM EMACHINES**  
Reuters  
New York Times, Col. 6, Pg. 6, Sec. C  
Tuesday January 12 1999  
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
RECORD TYPE: Abstract

ABSTRACT:

Emachines Inc, supplier of low-cost personal computers, introduces new  
models that will be priced as low as \$399, **after a rebate** , undercutting  
major **makers** of personal computers by a third (S)

COMPANY NAMES: Emachines Inc  
DESCRIPTORS: Computers and Information Systems; Prices (Fares, Fees and  
Rates); Personal Computers

36/5/23 (Item 2 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

05341483 NYT Sequence Number: 026089881217  
**ONLY A PRICE CUT GAVE SAMURAI A PUSH**  
HINDS, MICHAEL DECOURCY  
New York Times, Col. 3, Pg. 52, Sec. 1  
Saturday December 17 1988  
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
RECORD TYPE: Abstract

ABSTRACT:

Sales of Suzuki Samurai plunge with expiration of \$2,000- **rebate**  
program instituted by **manufacturer after** Consumers Union warned readers  
of Consumer Reports that it has dangerous propensity for rolling over;

photo; graph (M)

SPECIAL FEATURES: Graph; Photo  
COMPANY NAMES: CONSUMER REPORTS (MAGAZINE); CONSUMERS UNION OF US INC  
DESCRIPTORS: AUTOMOBILES; SALES; JEEPS; AUTOMOBILE SAFETY FEATURES AND  
DEFECTS; REBATES; CONSUMER'S WORLD PAGE (NYT)  
PERSONAL NAMES: HINDS, MICHAEL DECOURCY

36/5/24 (Item 3 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

00933456 NYT Sequence Number: 051292791101  
NYS Gov Hugh Carey returns to NY after visit to Hollywood, Calif, in  
attempt to entice film makers into making more movies in New York.  
Part of Carey's lure is proposed \$10-million remodeling of Astoria Studio  
in Queens. Theodore Sklover, director of newly-created State Office for  
Motion Picture and Television Development, comments (M.)  
HARMETZ, ALJEAN  
New York Times, Col. 3, Pg. 18, Sec. 3  
Thursday November 1 1979  
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
RECORD TYPE: Abstract

DESCRIPTORS: MOTION PICTURES  
PERSONAL NAMES: HARMETZ, ALJEAN; CAREY, HUGH L (GOV); SKLOVER, THEODORE

36/5/25 (Item 4 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

00902691 NYT Sequence Number: 020527791211  
Commerce Dept reports retail sales rose by 1.8% to \$77 billion in Nov.  
Attributes Nov gains primarily to strong auto sales. Retail sales  
declined 1.7% in Oct, primarily because of activity at auto dealerships.  
GM, Ford Motor Co and Chrysler all had sales-incentive programs during  
month. Nov auto sales figure remained below \$14.5 billion reported for  
Aug after summer sales- incentive programs by auto makers. Nov sales  
were 9.7% ahead of \$70.2 Billion of Nov '78. Graph shows retail sales  
from May '78 to Nov '79 (M.)  
Associated Press  
New York Times, Col. 1, Pg. 1, Sec. 4  
Tuesday December 11 1979  
DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
RECORD TYPE: Abstract

SPECIAL FEATURES: Graph  
COMPANY NAMES: CHRYSLER CORP; COMMERCE, DEPARTMENT OF; FORD MOTOR CO;  
GENERAL MOTORS CORP  
DESCRIPTORS: AUTOMOBILES; RETAIL STORES AND TRADE; SALES (INDUSTRY-WIDE)

36/5/26 (Item 5 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2002 The New York Times. All rts. reserv.

00679535 NYT Sequence Number: 040371760511  
NYC Landmarks Preservation Comm opposes new zoning legis drafted by City  
Planning Comm to encourage developers to preserve landmarks. Proposals,  
which apply only to high-density central business dists, would treat  
landmarks as acceptable equivalent to plazas that qualify builders  
for bonuses of added bldg size. Landmarks Preservation Comm chmn  
Beverly Moss Spatt met with City Planning Comm chmn Victor Marrero to  
express her objection to language of draft legis. Her major criticism was  
that it could be construed that Planning Comm would have right to  
'distinguish' what constitutes landmark and whether new construction on

its lot was architecturally harmonious in terms of materials and design rather than location and scale. Also objected to provisions that permit Planning Comm to determine what qualifies as significant interior and to reduce or waive requirements for public open space on affected zoning lot (S).)

New York Times, Col. 7, Pg. 35

Tuesday May 11 1976

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

COMPANY NAMES: LANDMARKS PRESERVATION COMMISSION

DESCRIPTORS: HISTORIC BUILDINGS AND SITES; ZONING

PERSONAL NAMES: MARRERO, VICTOR (COMR); SPATT, BEVERLY MOSS (CHMN)

GEOGRAPHIC NAMES: NEW YORK CITY

36/5/27 (Item 6 from file: 474)

DIALOG(R)File 474:New York Times Abs

(c) 2002 The New York Times. All rts. reserv.

00462162 NYT Sequence Number: 029192740516

Arthur A Singer lr on Apr 19 editorial attacking Domestic Internatl Sales Corps defends US need for adoption of reasonable tax-incentive bill to stimulate US manufacturer to go after export business and to help him meet foreign competition.)

SINGER, ARTHUR A

New York Times, Col. 3, Pg. 40

Thursday May 16 1974

DOCUMENT TYPE: Newspaper; LR. JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

DESCRIPTORS: DOMESTIC INTERNATIONAL SALES CORPORATIONS (DISC); INCOME TAX; INTERNATIONAL TRADE AND WORLD MARKET (GENERAL); TAXATION

PERSONAL NAMES: SINGER, ARTHUR A

GEOGRAPHIC NAMES: UNITED STATES

36/5/28 (Item 7 from file: 474)

DIALOG(R)File 474:New York Times Abs

(c) 2002 The New York Times. All rts. reserv.

00202531 NYT Sequence Number: 056274710717

FPC approves ceiling of 26c for each thousand cu ft of gas produced in southern La under contracts dated after Oct 1, '68 and 22.375c for contracts dated before that; offers gas producers incentive plan that would allow them even higher prices after special goal of new gas discoveries has been achieved and after certain amts has been placed in interstate commerce; decision is expected to result in substantially higher prices to gas consumers, including NY consumers; Amer Pub Gas Assn gen mgr C S Wheatley is skeptical about shortage; says rise will mean additional revenues of at least \$4-billion to producing cos and consumers can expect to pay 5c to 6c more for each thousand cu ft of gas, telephone int; contends comm has based its recommendations on data submitted by Amer Gas Assn without verifying statistics; notes there was 33% discrepancy between assn figures and those compiled by pipeline cos; comm acknowledges discrepancy, noting that its own staff experts testified as to reliability of assn data)

New York Times, Col. 1, Pg. 1

Saturday July 17 1971

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

COMPANY NAMES: GAS ASSN, AMERICAN

DESCRIPTORS: GAS (ILLUMINATING AND FUEL); RATES

PERSONAL NAMES: WHEATLEY, CHARLES F JR

36/5/29 (Item 1 from file: 475)

DIALOG(R)File 475:Wall Street Journal Abs

(c) 2002 The New York Times. All rts. reserv.

05012977

**US CAR SALES FELL 39% IN EARLY OCTOBER AFTER BIG 3 ENDED MAJOR SALES INCENTIVES**

WHITE, JOSEPH B

Wall Street Journal, Col. 1, Pg. 17, Sec. 1

Thursday October 15 1987

DOCUMENT TYPE: Newspaper JOURNAL CODE: WSJ LANGUAGE: English

RECORD TYPE: Abstract

**ABSTRACT:**

US sales of North American-made cars fell 39% in early October, as consumers stayed home **after** Big Three auto **makers** ended major sales **incentive** programs; tables (M)

SPECIAL FEATURES: Table

COMPANY NAMES: GENERAL MOTORS CORP; FORD MOTOR CO; CHRYSLER CORP

DESCRIPTORS: AUTOMOBILES; SALES; CREDIT; CONSUMERS AND CONSUMPTION

PERSONAL NAMES: WHITE, JOSEPH B

GEOGRAPHIC NAMES: UNITED STATES

**36/5/30 (Item 1 from file: 99)**

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2002 The HW Wilson Co. All rts. reserv.

1190491 H.W. WILSON RECORD NUMBER: BAST94059132

**Gas storage plays critical role in deregulated U.S. marketplace**

True, Warren R;

Oil & Gas Journal v. 92 (Sept. 12 '94) p. 45-51+

DOCUMENT TYPE: Feature Article ISSN: 0030-1388 LANGUAGE: English

RECORD STATUS: New record

**ABSTRACT:** Part of a special report on natural gas storage capacity in the U.S. Natural-gas storage is playing an increasingly important role in ensuring gas-supply availability as a result of deregulation of the transmission industry since 1984. Deregulation, which culminated in the implementation of the Federal Energy Regulatory Commission's Order 636 on Nov. 1, 1993, ended interstate pipeline companies' role as merchants of natural gas, forced them to unbundle their interstate gas-transportation services and fees, and gave **qualified** shippers access to interstate transmission capacity. Before Order 636, **producers** had little **incentive** for storage because interstate pipelines managed most supplies. Since Order 636, however, storage has emerged as a shipper's primary means of maintaining a flexible supply of gas and numerous interstate pipelines and independent gas marketers have undertaken storage projects. A table lists U.S. underground natural gas storage fields.

DESCRIPTORS: Natural gas--Underground storage; Natural gas--Laws and regulations; Gas industry--United States;

**36/5/31 (Item 1 from file: 95)**

DIALOG(R)File 95:TEME-Technology & Management

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00864930 W95036441400

**Cheaper oxygen for ironmaking**

(Billigerer Sauerstoff fuer die Roheisenherstellung)

Makepeace, VU; Lavin, JT

Usage of Scraps and Alternate Materials and/or Processes to Achieve Competitive Advantage in the Iron and Steel Industry. Manila 23-25 May 1994 1994

Document type: Conference paper Language: English

Record type: Abstract

**ABSTRACT:**

The incentives for the oxygen producers to reduce the cost of oxygen as one

of the major materials in ironmaking have been quantified, the key steps towards achievement of this goal are identified. It has been shown, why close teamwork between the ironmaker and oxygen producer will be essential to ensure timely and effective achievement of the goal. The ironmaker wants cheaper oxygen, and examples will show that there is **incentive** for the oxygen **producer** . BOC's action is **based on** the following key steps: 1) improving the air separation cycle efficiency, 2) maximising the use of the energy in the products arising from the air separation process, 3) minimising the amount of net energy required for air separation, 4) developing further the efficiency of 'Mixed Purity Cycles', 5) exploring existing ironmaking infrastructures to identify resources which can be shared, 6) investigating the emerging prospects for combined cycle power generation using the higher calorific value of the off-gases arising from coal based ironmaking, 7) constructing financial packages to suit customers' requirements.

DESCRIPTORS: PIG IRON PRODUCTION; BLAST FURNACES; OXYGEN; GAS SUPPLY  
ACCESSORY; AIR SEPARATION; COST REDUCTION; ORE SMELTING; AIR; ENERGY SAVING  
; MELTING REDUCTION PROCESS  
IDENTIFIERS: SAUERSTOFFVERSORGUNG; VERSORGUNG; Roheisenherstellung;  
Sauerstoffversorgung; Kostensenkung

46/5/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01718067 ORDER NO: AADAA-I9950033

**A structural dynamic brand choice model incorporating consumer learning:  
Estimation issues and managerial implications**

Author: Prakhya, Srinivasa Sastry

Degree: Ph.D.

Year: 1998

Corporate Source/Institution: Carnegie-Mellon University (0041)

Source: VOLUME 60/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4098. 60 PAGES

Descriptors: BUSINESS ADMINISTRATION, MARKETING

Descriptor Codes: 0338

Choice models in the marketing literature are mostly derived from the axiom of current utility maximization on each purchase occasion. Dynamics in choice are incorporated through habit persistence effects. Habit persistence is allowed for usually by reducing purchase history to a single measure of loyalty which is exponentially weighted towards the most recent purchases. Such a treatment of choice behavior imposes a rigid structure on the learning process of the consumer and on the consequent changes in his preference. The question of why past **purchases** should **influence** **current** choice is not explicitly examined. The implicit assumption in such a framework is that the consumer has perfect information about the attributes of the brands before making a choice. If the consumer were uncertain about the quality levels of the alternatives in the choice set, current choice would lead to better information in the future. Thus, in such models, consumers are assumed to be myopic in that they do not consider future benefits from current choices.

In this study, a simple model of dynamic brand choice that takes into account the uncertainty faced by the consumers and the consequent information value associated with choice is proposed. The consumer, on each occasion, chooses from the brands available so as to maximize his expected utility over a finite horizon based on preferences that are dynamically updated with consumption experience. Brands are allowed to vary in their ability to influence long term preferences with consumption experience. The dynamic model is estimated on scanner panel data using the conditional choice probability (CCP) estimation procedure, proposed by Hotz and Miller [1993], that is computationally efficient compared to the extant methods of estimating dynamic models. The dependence of current choice on past choices is hypothesized as being due to learning effects. Results support the hypothesis that the consumer is not perfectly informed and is forward looking. Models that explicitly take such effects into account fit the data better than reduced form approaches.

46/5/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01386575 ORDER NO: AAD13-57580

**THE EFFECT OF NUTRITIONAL INFORMATION ON SELECTION OF LOW FAT MENU ITEMS AT  
THE POINT-OF-PURCHASE**

Author: HAU EISEN-CASAREZ, ADRIANE JENNIFER

Degree: M.S.

Year: 1994

Corporate Source/Institution: CALIFORNIA STATE UNIVERSITY, LONG BEACH (6080)

Source: VOLUME 33/01 of MASTERS ABSTRACTS.

PAGE 183. 100 PAGES

Descriptors: HEALTH SCIENCES, NUTRITION

Descriptor Codes: 0570

The purpose of this study was to determine if nutrition information provided at the **point -of- purchase** would **influence** the selection of low fat items in a university cafeteria, indicated by changes in total cash



sales. The pretest and posttest, no-contrast experimental design consisted of three periods (before, during, and after nutrition promotion). There was no significant difference in total sales during the 10-week study period, but significant changes were noticed between low fat (targeted for promotion) and high fat sales within three periods. A proportional increase in low fat sales continued after nutrition promotion. Survey (N = 1,225) conducted during promotion period indicated price for value significantly influenced the selection of Asian and Mexican food and taste was important factor in selection. Fat/cholesterol was most important information for selection followed by kilocalories. Nutrition information can be effective at the point-of-purchase for sales promotion.

46/5/3 (Item 3 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01230344 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.  
CLOTHING TRADE IN TRANSITION: ONE HUNDRED YEARS' RETAIL TRADE IN 'S  
HERTOGENBOSCH. ORIGINS AND DEVELOPMENT OF THE FAMILY FIRM OF 'A. F.  
JANSEN', 1889-1987 (A. F. JANSEN)

Original Title: KLEDINGHANDEL IN TRANSITIE: EEN EEUW DETAILVERKOOP TE  
'S-HERTOGENBOSCH. OORSPRONG EN ONTWIKKELING VAN HET FAMILIEBEDRIJF 'A.  
F. JANSEN', 1889-1987

Author: JANSEN, FRANCISCUS LAMBERTUS

Degree: DR.

Year: 1991

Corporate Source/Institution: KATHOLIEKE UNIVERSITEIT BRABANT (THE  
NETHERLANDS) (0687)

Source: VOLUME 53/03-C OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 421. 486 PAGES

Descriptors: HISTORY, EUROPEAN

Descriptor Codes: 0335

Language: DUTCH

ISBN: 90-70641-38-0

As this study deals with the retail trade in clothing, the consumer, the salesperson and the product are all part and parcel of this study as are all aspects of the clothing trade. These are: designing a shop, presenting a product in the shop and the shop window, advertising, the service and the skill of the salesperson, the motivation and the purchasing behaviour of the consumer. Also social and cultural changes which took place throughout the nineteenth and twentieth centuries and which influenced this trade are investigated.

Attention is focused in this study on the clothing trade in 's Hertogenbosch which in turn is put in the wider context of Dutch clothing trade in general. As an example the development of the 's Hertogenbosch family firm of 'A. F. Jansen' is described (1889-1987)

Before 1850 clothes are produced according to traditional methods. Many a member of the lower middle and lower classes is forced to find his or her clothes on the second-hand market. In 's Hertogenbosch the trade in second-hand clothes plays a major role.

Around 1850 ready-made clothes appear on the market. A new profession comes into being: that of salesman in ready-made clothes. A. F. Jansen begins by selling ready-made clothing at village fairs and markets.

The number of shops selling ready-made clothes is growing. In 's Hertogenbosch we see the first shops for ready-made clothes.

Tailors producing custom-made clothes look upon the rise of ready-made clothing as a threat to their own trade. Influenced by social factors the motivation and purchasing behaviour of the consumer gradually changes.

The second world war leads to a decreasing production; the sale of clothes comes to a halt because of rationing.

After the war consumers' demand grows making up for the war years. The number of sales outlets increases both in 's Hertogenbosch and elsewhere.

After 1965 values and norms change greatly influencing the motivation and purchasing behaviour. Youth now becomes an important consumer. Beside specialized shops and the wholesale business we see the rise of

boutiques, jeans shops and clothing supermarkets. (Abstract shortened by UMI.)

46/5/4 (Item 4 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01158811 ORDER NO: AAD91-16214

**POWER AND INFLUENCE IN ORGANIZATIONAL PURCHASING DECISIONS: A SYSTEMS INTERACTION PERSPECTIVE**

Author: KATRICHIS, JEROME MARK  
Degree: PH.D.  
Year: 1990  
Corporate Source/Institution: THE UNIVERSITY OF MICHIGAN (0127)  
Chairman: MICHAEL J. RYAN  
Source: VOLUME 52/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 230. 344 PAGES  
Descriptors: BUSINESS ADMINISTRATION, MARKETING; SOCIOLOGY, INDUSTRIAL AND LABOR RELATIONS; SOCIOLOGY, THEORY AND METHODS  
Descriptor Codes: 0338; 0629; 0344

This research addresses organizational buying center membership and members' relative influence on the purchasing decision. Present approaches are shown to be deficient in recognizing either the bases of power or the conditions that lead to an exercise of power. These deficiencies are used to explain the weak empirical results existing in the literature which primarily consists of descriptive studies. In addition, the prevailing unit of analysis, the individual, is shown to be deficient.

A conceptualization is proposed based on the following relationships:
$$\text{Influence} = \text{Power} \times \text{Stake}$$
Where:
$$\text{Influence} = \text{a successful exercise of power}$$
$$\text{Power} = \text{departmental influence potential}$$
$$\text{Stake} = \text{impact of the decision on the department}$$
Thus, influence is viewed at the departmental level as a multiplicative function of latent power and stake, the latter being necessary to activate power. The conceptualization is based on prevailing theory and empirical results in the Organizational Behavior literature.

Data was obtained from a comprehensive multiple single stage snowballing procedure within all departments of twenty-five medium sized organizations, and covered a wide range of industries and decision settings.

Support was found for the conceptualization through operationalization as an interactive latent variable model utilizing partial least squares (PLS) for parameter estimation and jackknifing for inferential testing. These procedures maintain the advantages of currently popular maximum likelihood procedures while avoiding its stringent assumptions regarding sample size and normality.

46/5/5 (Item 5 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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951053 ORDER NO: AAD87-02040

**CONSUMER INNOVATIVENESS: THE CONCEPT AND ITS RELATIONSHIP WITH INNOVATIVE BEHAVIOR**

Author: VENKATRAMAN, MEERA PANDIT  
Degree: PH.D.  
Year: 1986  
Corporate Source/Institution: UNIVERSITY OF PITTSBURGH (0178)  
Source: VOLUME 48/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 177. 423 PAGES  
Descriptors: BUSINESS ADMINISTRATION, MARKETING  
Descriptor Codes: 0338

The basic thesis of this research is that it is possible to identify

two segments of consumer innovators, the sensory and cognitive innovators, based on differences in their desires for new experiences. Sensory innovators desire new experiences that stimulate the senses more than they desire new cognitive experiences. In contrast, cognitive innovators desire new experiences that stimulate the mind more than they desire new sensory experiences. It is proposed that sensory and cognitive innovators have different demographic profiles. It is also hypothesized that innovativeness moderates purchasing behavior or that the innovator segments differ in their motivations to buy and the characteristics they consider important in the decision to buy. Further, it is also proposed that innovativeness influences the perceptions and importances of specific innovation characteristics.

To test these hypotheses a two phased study was conducted. The objective of the first study was to develop measures of sensory and cognitive innovativeness. To construct these measures the Pearson Novelty Experiencing Scale was modified. This study was conducted among a sample of 200 graduate and undergraduate students. Tests of the nomological validity of the measures found that the scales were valid.

The second study was a mailed survey comprising a national sample of 245 households. The questionnaire, developed after extensive pretesting, focussed on the respondent's innovativeness tendencies, perceptions of three innovations; the personal computer, the food processor and the video cassette recorder, their purchase motivations, the importance assigned to characteristics in the purchase decision and their purchase behavior.

The study found that sensory and cognitive innovators differ in their demographic profiles. Sensory innovators tend to be male, younger and have white collar occupations. Cognitive innovators tend to be older and have higher educations. It also found that sensory and cognitive innovators differ in the factors that **influence purchase**. Sensory innovators make decisions **based on** wholistic evaluations of differences between products, while cognitive innovators make decisions based on evaluations of trialability, novelty and economic risk. However, there was no support for the hypothesis of differences in purchase motivations between sensory and cognitive innovators nor was there support for the hypothesis that innovativeness influences the perceptions of specific product characteristics. (Abstract shortened with permission of author.)

46/5/6 (Item 6 from file: 35)

DIALOG(R) File 35:Dissertation Abs Online

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798006 ORDER NO: AAD82-29366

**A COMPARISON OF LEARNING AND RETENTION USING CONCEPT-RELATED GRAPHIC, ARBITRARY GRAPHIC, AND VERBAL LABEL SYMBOLS**

Author: BROOKE, MARTHA LOUISE

Degree: PH.D.

Year: 1982

Corporate Source/Institution: THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL (0153)

Source: VOLUME 43/08-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 2601. 202 PAGES

Descriptors: EDUCATION, PSYCHOLOGY

Descriptor Codes: 0525

Visual stimuli are frequently used for instruction. This dissertation pursued two interests relevant to the design of visual stimuli. The primary interest was the learning and the retention of three types of symbols--concept-related graphic, arbitrary graphic, and verbal label. The secondary interest investigated specific strategies used to process the three symbol types. This research (1) introduced the nonverbal abstract symbol into the picture-versus-word comparison; (2) used a different mode of response (psychomotor) than the pictorial and verbal modes of the stimuli; (3) controlled stimulus familiarity by creating new symbols and controlling for their previous meaning; and (4) extended the retention interval to 7-8 weeks.

Thirty-one subjects from a random sample of university students

participated in the learning task; 26 returned for an unannounced retention test. The learning task was to associate symbols with discrete psychomotor actions. Five actions were each represented by a concept-related graphic, arbitrary graphic, and verbal label, making a total of 15 symbols. Learning was defined as the average number of symbol presentations necessary to attain two consecutive correct responses to each of five symbols in a symbol type. Retention was defined as the number of correct responses made to the five symbols of a symbol type during a single presentation **after** a 7-8 week interval. **Stimuli** were randomly **ordered**. Subjects were randomly assigned to treatments.

An ANOVA design was used. As hypothesized, performance under the concept-related graphic was significantly better than the verbal label for learning, but significance was not present at retention. Additional analysis found a difference between arbitrary graphic and verbal label on learning for males but not for females.

The cognitive processing of the three symbol types was explored by examining memory encoding and retrieval methods. It was concluded that memory methods derived from categories found primarily in verbal learning research do not adequately delineate nonverbal symbol processing.

These findings are relevant to instructional development and the exploration of cognitive processing.

46/5/7 (Item 1 from file: 583)

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06604885

Mahajaya offers 'rent now, buy later package'

MALAYSIA: RENT NOW BUY NOW BY MAHAJAYA

Business Times Malaysia (XAR) 24 Mar 1998 p.5

Language: ENGLISH

A 'Rent Now, Buy Now' scheme has been introduced by Mahajaya, a Malaysian property developer, for its Cheras Utama Business Outlet project which comprises of 72 units in Kuala Lumpur, Malaysia. Under the scheme, an option will be given to buyers to rent the office outlet at RM 1 per sq ft for a year period by signing a tenant agreement with Mahajaya. After one year, buyer has the option to buy the outlet and the rental being paid during the pass one year can be treated as part of the 10% purchase price or downpayment. A 7% discount will be given to Bumiputra <Malays and other indigenous> buyers. Meanwhile, the outlet is priced from RM 298,880 and above per unit. The move is aiming to **stimulate** number of **buyers** amid the **current** economic turmoil in the country.

COMPANY: MAHAJAYA

PRODUCT: Lessors of Nonresidential Bldgs (6512); Commercial Buildings Construction (1542CB);

EVENT: Marketing Procedures (24);

COUNTRY: Malaysia (9MAO);

46/5/8 (Item 2 from file: 583)

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06489000

Sainsbury's forced to axe baby milk loyalty points

UK: SAINSBURY TO STOP LOYALTY POINTS ON BABYMILK

Marketing Week (MW) 26 Jun 1997 p.8

Language: ENGLISH

Sainsbury <UK based supermarket chain> has announced that it is to stop giving Reward Card **loyalty points** on **purchases** of baby milk **after** new guidelines have said it is illegal. Until the introduction of new check out technology at the end of 1997, Sainsbury will only give points on baby

milk if it is purchased alongside other products and not on its own, when the new technology is introduced the equipment will automatically exclude the product from receiving reward points. The reason for the withdrawal of permission to include the milk on reward schemes is that the marketing of baby milk is tightly controlled, as it is believed that breast feeding is more healthy for babies than instant formulae.

COMPANY: SAINSBURY

PRODUCT: Food Retailing (5400); Baby Food (2007); Fluid Milk & Cream (2026); Milk Concentrates (2023);  
COUNTRY: United Kingdom (4UK);

46/5/9 (Item 3 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06457868  
Bay Network's ISP Reseller Program  
ASIA: ISP RESELLER PROGRAMME FROM BAY  
LAN Asia (XEB) Feb 1997 P.12  
Language: ENGLISH

A reseller programme for Internet solution providers (ISPs) has been launched by Bay Networks in Asia. The BayNET Gold Partnership (BGP) programme offers **qualified** ISPs with volume **purchase incentive**, discounted pricing and training on Bay's POP, backbone and Customer Premise Equipment (CPE) solutions. Products, training and service will be offered to ISPs through selected Bay Networks Authorised BGP Distributors. Once a BGP partner is successful, Bay will invest in certified training for related products like remote access servers, hubs and routers. The Bay Internet solutions provide the ISPs with the opportunity to become a complete solution provider for Internet connection and network connectivity. The new Bay Networks programme's launch members include AT&T, LinkAGE Online, SuperNet and Star Internet. An ISP will become a Bronze partner once it is enrolled into the programme to sell Bay's Instant Internet, which offers a full hardware/software solution that offers Internet connection via a single IP address for 50 simultaneous users.  
COMPANY: STAR INTERNET; SUPERNET; LINKAGE ONLINE; AT&T; BAY NETWORKS;  
INTERNET

PRODUCT: Computers & Auxiliary Equip (3573);  
EVENT: Planning & Information (22);  
COUNTRY: Southeast Asia (92T); Eastern Asia (92E);

46/5/10 (Item 4 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06452985  
Cost-cutting pays off for Dagenham  
UK: DAGENHAM MOTORS REPORTS RISE IN PROFIT  
Daily Telegraph (DT) 04 Apr 1997 p.39  
Language: ENGLISH

For the 1996 financial year, the UK Ford motor dealer Dagenham Motor, has announced a rise in profit when compared with the year earlier period following heavy cost-cutting measures in the second-half. Sales to Ford staff fell dramatically **after** Ford reduced its staff **purchase incentives**. Used sales at the company remained static. Table: Dagenham Motors Figures in GBt mn

	Current	Previous/Change	Turnover
291.9	267.5	9.12%	Pre-tax Profits
5.12	5.11	0.19%	

COMPANY: DAGENHAM MOTORS

EVENT: Company Reports & Accounts (83);

COUNTRY: United Kingdom (4UK);

46/5/11 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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7356024

**Title: Meeting room projectors**

Journal: PC Pro p.73-82, 85

Publisher: Dennis Publishing,

Publication Date: Aug. 2002 Country of Publication: UK

CODEN: PCPRF6 ISSN: 1355-4603

Material Identity Number: C472-2002-006

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** With prices dropping, image quality rising and noise levels sinking, there has never been a better time to buy a projector. With the bonus of high-quality DVD playback, we suspect home movie enthusiasts as well as corporates will be **tempted to buy now** rather than wait. Projectors fall into three general categories, based on unit size, the capacity of the intended venue and the number of features on offer. Large-venue units employ super-bright bulbs and tend to be permanently installed by professional audiovisual companies. Ultra-portables concentrate on mobility, but are capable of presenting in smaller meeting rooms. The third category, meeting room projectors, is the focus of our attention. This is currently the most competitive arena, where the majority of sales to both companies and home cinema enthusiasts is occurring. We asked 15 of the top manufacturers to supply a unit that will be mostly resident in its presentation room and with enough brightness to be viewable even with all the room lights on.

Subfile: D

**Descriptors:** business graphics; buyer's guides; equipment evaluation; equipment selection; office automation; optical projectors; technical presentation

**Identifiers:** meeting room projectors; prices; image quality; high-quality DVD playback; home movie; super-bright bulbs; companies; presentation; performance analysis; brightness

**Class Codes:** D5010D (Computer selection guides for office automation); D3000 (General Information Technology systems and equipment); D2020 (Design and graphics IT applications)

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46/5/12 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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6609858 INSPEC Abstract Number: A2000-14-8715-003

**Title: Structural changes induced by binding of the high-mobility group I protein to a mouse satellite DNA sequence**

**Author(s):** Slama-Schwok, A.; Zakrzewska, K.; Leger, G.; Leroux, Y.; Takahashi, M.; Kas, E.; Debey, P.

**Author Affiliation:** Inst. de Biol. Physico-Chimique, Inst. Nat. de Recherche en Inf. et Autom., Paris, France

Journal: Biophysical Journal vol.78, no.5 p.2543-59

Publisher: Biophys. Soc,

Publication Date: May 2000 Country of Publication: USA

CODEN: BIOJAU ISSN: 0006-3495

SICI: 0006-3495(200005)78:5L.2543:SCIB;1-#

Material Identity Number: B154-2000-007

U.S. Copyright Clearance Center Code: 0006-3495/2000/05/2543/17\$2.00

Language: English Document Type: Journal Paper (JP)

Treatment: Bibliography (B); Experimental (X)

**Abstract:** Using spectroscopic methods, we have studied the structural changes induced in both protein and DNA upon binding of the high-mobility group I (HMG-I) protein to a 21-bp sequence derived from mouse satellite DNA. We show that these structural changes depend on the stoichiometry of

the protein/DNA complexes formed, as determined by Job plots derived from experiments using pyrene-labeled duplexes. Circular dichroism and melting temperature experiments extended in the far ultraviolet range show that while native HMG-I is mainly random coiled in solution, it adopts a beta-turn conformation upon forming a 1:1 complex in which the protein first binds to one of two dA.dT stretches present in the duplex. HMG-I structure in the 1:1 complex is dependent on the sequence of its DNA target. A 3:1 HMG-I/DNA complex can also form and is characterized by a small increase in the DNA natural bend and/or compaction coupled to a change in the protein conformation, as determined from fluorescence resonance energy transfer (FRET) experiments. In addition, a peptide corresponding to an extended DNA-binding domain of HMG-I induces an ordered condensation of DNA duplexes. Based on the constraints derived from pyrene excimer measurements, we present a model of these nucleated structures. Our results illustrate an extreme case of protein structure induced by DNA conformation that may bear on the evolutionary conservation of the DNA-binding motifs of HMG-I. We discuss the functional relevance of the structural flexibility of HMG-I associated with the nature of its DNA targets and the implications of the binding stoichiometry for several aspects of chromatin structure and gene regulation. (76 Refs)

Subfile: A

Descriptors: biological techniques; biothermics; circular dichroism; DNA; fluorescence; melting point; molecular biophysics; proteins

Identifiers: spectroscopic methods; structural changes; high-mobility group I protein structure; mouse satellite DNA sequence; stoichiometry; protein/DNA complexes; Job plots; pyrene-labeled duplexes; circular dichroism; melting temperature; far ultraviolet range; beta-turn conformation; dA.dT stretches; native high-mobility group I protein; DNA target; DNA natural bend; DNA natural compaction; protein conformation; fluorescence resonance energy transfer; peptide; extended DNA-binding domain; ordered condensation; DNA duplexes; pyrene excimer measurements; model; nucleated structures; DNA conformation; evolutionary conservation; DNA-binding motifs; structural flexibility; binding stoichiometry; chromatin structure; gene regulation

Class Codes: A8715K (Biomolecular interactions, charge transfer complexes); A8715B (Biomolecular structure, configuration, conformation, and active sites); A8715D (Physical chemistry of biomolecular solutions; condensed states); A8715M (Interactions with radiations at the biomolecular level); A8716 (Biothermics); A8780 (Biophysical instrumentation and techniques)

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46/5/13 (Item 3 from file: 2)

DIALOG(R) File 2:INSPEC

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5801559 INSPEC Abstract Number: B9802-8370-037

**Title: A UK manufacturer's view-new switchgear and aftermarket options**

Author(s): Blakeley, R.; Jones, C.

Author Affiliation: Reyrolle Projects Ltd., Rolls-Royce T&D, UK

Conference Title: IEE Colloquium on Switchgear: Retrofit, Refurb or Replace - the Asset Manager's Dilemma (Digest No.1997/348) p.3/1-12

Publisher: IEE, London, UK

Publication Date: 1997 Country of Publication: UK 34 pp.

Material Identity Number: XX97-02694

Conference Title: IEE Colloquium on Switchgear: Retrofit, Refurb or Replace - the Asset Manager's Dilemma (Digest No.1997/348)

Conference Sponsor: IEE

Conference Date: 21 Oct. 1997 Conference Location: London, UK

Language: English Document Type: Conference Paper (PA)

Treatment: General, Review (G)

Abstract: Commercial pressures are increasing on electric utility organisations to maximise their plant utilisation, improve network performance and reduce their plant lifetime costs. All this is happening at a time when the average age of switchgear on many network is quite high, (35 to 40 years) and is increasing. Also of significance is the fact that, in many organisations, the available experienced resource to operate and maintain the network and manage the asset replacement is becoming depleted.

This paper reviews some of the recent advances made in the design and performance of transmission and distribution switchgear together with an outline of some of the **current** developments which are likely to **influence** the switchgear **purchaser** and operator in the future. Examples are given of design tools which have been applied to recently developed products which have delivered high integrity, high performance equipment with significantly reduced development time-scales. It continues with a view of the aftermarket and the developing relationship between the manufacture and the owner or operator of the asset. It covers the three R's of asset replacement-the options of replace with new, refurbish and retrofit explaining the options of retrofit and refurbishment, highlighting the factors and considerations involved in the decision to retrofit, refurbish or replace with new. The paper concludes with practical examples of the design and implementation of retrofit of switchgear and protection in HV and LV networks for the ESI and industrial sectors. (6 Refs)

Subfile: B

Descriptors: electricity supply industry; maintenance engineering; switchgear

Identifiers: electric utility; switchgear maintenance; retrofitting; refurbishment; asset replacement; transmission; distribution; HV; LV; power networks; UK

Class Codes: B8370 (Switchgear); B8110B (Power system management, operation and economics); B0160 (Plant engineering, maintenance and safety)

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46/5/14 (Item 4 from file: 2)

DIALOG(R) File 2:INSPEC

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5398656 INSPEC Abstract Number: C9611-4240-042

**Title: Locally finite, proper and complete operators for refining DATALOG programs**

Author(s): Esposito, F.; Laterza, A.; Malerba, D.; Semeraro, G.

Author Affiliation: Dipartimento di Inf., Bari Univ., Italy

Conference Title: Foundations of Intelligent Systems. 9th International Symposium, ISMIS '96. Proceedings p.468-78

Editor(s): Ras, Z.W.; Michalewicz, M.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1996 Country of Publication: Germany xi+662 pp.

ISBN: 3 540 61286 6 Material Identity Number: XX96-01624

Conference Title: Foundations of Intelligent Systems. 9th International Symposium, ISMIS '96

Conference Date: 9-13 June 1996 Conference Location: Zakopane, Poland

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: Refinement operators are exploited to change in an automated way incorrect clauses of a logic program. We present four refinement operators for DATALOG programs and demonstrate that all of them meet the properties of local finiteness, properness, and completeness. Such operators are **based on the quasi-ordering induced** upon a set of clauses by the generalization model of theta-subsumption under object identity. This model of generalization, as well as the four refinement operators have been implemented in a system for theory revision that proved effective in the area of electronic document classification. (17 Refs)

Subfile: C

Descriptors: DATALOG; generalisation (artificial intelligence); Horn clauses; mathematical operators; programming theory

Identifiers: refinement operators; DATALOG programs; logic program clauses; properness; completeness; theta-subsumption; object identity; generalization model; theory revision; electronic document classification

Class Codes: C4240 (Programming and algorithm theory); C6110L (Logic programming); C1230 (Artificial intelligence); C6140D (High level languages)

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46/5/15 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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5256653 INSPEC Abstract Number: C9606-4240-018

**Title: Ideal refinement of Datalog programs**

Author(s): Semeraro, G.; Esposito, F.; Malerba, D.

Author Affiliation: Dipartimento di Inf., Bari Univ., Italy

Conference Title: Logic Program Synthesis and Transformation. 5th International Workshop, LOPSTR'95. Proceedings p.120-36

Editor(s): Proietti, M.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1996 Country of Publication: West Germany x+266 pp.

ISBN: 3 540 60939 3 Material Identity Number: XX96-00791

Conference Title: Logic Program Synthesis and Transformation 5th International Workshop, LOPSTR '95

Conference Date: 20-22 Sept. 1995 Conference Location: Utrecht, Netherlands

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: In model inference, refinement operators are exploited to change in an automated way incorrect clauses of a logic program. We present two refinement operators for Datalog programs and state that both of them meet the properties of local finiteness, properness, and completeness (ideality). Such operators are **based on the quasi-ordering induced** upon a set of clauses by the generalization model of theta-subsumption under object identity. These operators have been implemented in a system for theory revision that proved effective in the area of electronic document classification. (35 Refs)

Subfile: C

Descriptors: DATALOG; deductive databases; Horn clauses; inference mechanisms; logic programming; programming theory

Identifiers: Datalog program refinement; model inference; refinement operators; incorrect clauses; logic program; local finiteness; properness; completeness; ideal refinement; generalization model; theta-subsumption; object identity; theory revision; document classification; Horn clauses

Class Codes: C4240 (Programming and algorithm theory); C4210 (Formal logic); C6160K (Deductive databases); C6110L (Logic programming)

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46/5/16 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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4462430 INSPEC Abstract Number: A9318-4265K-021, B9309-4340-048

**Title: Second optical harmonic generation in magnetic superlattices**

Author(s): Borisov, S.B.; Dadoenkova, N.N.; Lyubchansky, I.L.; Sobolev, V.L.

Author Affiliation: Phys. & Tech. Inst., Ukrainian Acad. of Sci., Donetsk, Ukraine

Journal: Izvestiya Rossiiskoi Akademii Nauk. Seriya Fizicheskaya vol.56, no.8 p.91-4

Publication Date: 1992 Country of Publication: Russia

Translated in: Bulletin of the Russian Academy of Sciences. Physics vol.56, no.8 p.1189-91

Publication Date: 1992 Country of Publication: USA

ISSN: 1062-8738

U.S. Copyright Clearance Center Code: 1062-8738/92/\$40.00

Conference Title: 14th International Conference on Coherent and Nonlinear Optics

Conference Date: 24-27 Sept. 1991 Conference Location: St. Petersburg, Russia

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: The components of the effective susceptibility tensor, **induced** by magnetic **ordering** and characterizing **second** harmonic generation in

magnetic superlattices, are determined. As an example the authors refer to a layered structure based on high-T/sub c/ superconductor Nd/sub 2/CuO/sub 4/ existing in different antiferromagnetic phases. (19 Refs)

Subfile: A B

Descriptors: antiferromagnetic properties of substances; high-temperature superconductors; magnetic multilayers; neodymium compounds; nonlinear optical susceptibility; optical harmonic generation

Identifiers: magnetic superlattices; effective susceptibility tensor; magnetic ordering; second harmonic generation; layered structure; high-T/sub c/ superconductor; antiferromagnetic phases; Nd/sub 2/CuO/sub 4/

Class Codes: A4265K (Harmonic generation, frequency conversion, parametric oscillation and amplification); A7550E (Antiferromagnetics); A7570F (Magnetic ordering in multilayers); A7550R (Magnetism in interface structures); A7470V (Perovskite phase superconductors); B4340 (Nonlinear optics and devices)

Chemical Indexing:

Nd2CuO4 ss - Nd2 ss - Cu ss - Nd ss - O4 ss - O ss (Elements - 3)

46/5/17 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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03555405 INSPEC Abstract Number: C90014517

Title: What to compare when comparing test data adequacy criteria

Author(s): Weiss, S.N.

Author Affiliation: Hunter Coll., City Univ. of New York, NY, USA

Journal: SIGSOFT Software Engineering Notes vol.14, no.6 p.42-9

Publication Date: Oct. 1989 Country of Publication: USA

CODEN: SFENDP ISSN: 0163-5948

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P); Theoretical (T)

Abstract: Test data adequacy criteria have been compared in a multitude of ways in the literature. Each method of comparison gives rise to an ordering of criteria, many of which differ significantly from the others. The article investigates the various methods of comparing criteria, and shows how the induced orderings are related. There are presently no methods of comparison that are based on the cost of using criteria; the article proposes a formal model of cost comparison of criteria. It categorizes methods of comparison as being satisfiability based, correctness based, or complexity based. (18 Refs)

Subfile: C

Descriptors: computational complexity; program testing

Identifiers: test data adequacy criteria; induced orderings; formal model; cost comparison; satisfiability based; correctness based; complexity based

Class Codes: C6110 (Systems analysis and programming); C4240 (Programming and algorithm theory)

46/5/18 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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03003107 INSPEC Abstract Number: C87065311

Title: What is your computer worth today?

Author(s): Stark, H.

Journal: Chip no.8 p.62-4

Publication Date: Aug. 1987 Country of Publication: West Germany

CODEN: CHIPDP ISSN: 0170-6632

Language: German Document Type: Journal Paper (JP)

Treatment: Practical (P); Product Review (R)

Abstract: Based on prices asked for second hand computers and accessories in small advertisements in computer magazines and daily papers, new and second hand prices for 1985, 1986, and 1987, for 56 different computers, are tabulated. The list comprises Alphatronic, Apple, Apricot, Atari, Commodore, DEC Rainbow, Epson, Genie, HP, IBM, ITT, Kaypro, Olivetti, Osborne, Philips, Sanyo, Sharp, Schneider, Siemens, SVI, Tandy, Toshiba,

and Victor models. The small cost difference between new and used equipment  
now offers no incentive to buy second hand. (0 Refs)

Subfile: C

Descriptors: buyer's guides; computer purchase; microcomputers

Identifiers: second hand computers; Alphatronic; Apple; Apricot; Atari;  
Commodore; DEC Rainbow; Epson; Genie; HP; IBM; ITT; Kaypro; Olivetti;  
Osborne; Philips; Sanyo; Sharp; Schneider; Siemens; SVI; Tandy; Toshiba;  
Victor; used equipment

Class Codes: C5430 (Microcomputers)

47/5/1 (Item 1 from file: 583)  
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05872105

Apple Slashes PC Prices in the U.S., Seeking to Boost Its Market Sha\  
US: APPLE IN PC PRICE CUT  
Wall Street Journal Europe (WSJ) 13 July 1993 p. 5  
Language: ENGLISH

Apple Computer of Cupertino, California, has cut US prices on many of its most popular personal computers (PCs) by as much as a third in a further effort to boost market share. These reductions occur only a month **after** the PC **maker** started offering **rebates** and price reductions on mid priced Macintosh machines. Apple has been forced recently into bolder price reductions as rivals swamp the market with cheap machines which approach the Macintosh's ease of use. Analysts say that Apple's move is a gamble because it is not known whether the lower prices will provoke enough customer demand to offset another squeeze on the firm's profit margins.

COMPANY: APPLE COMPUTER

PRODUCT: Microcomputers (3573MI);  
EVENT: Plant/Facilities/Equipment (44);  
COUNTRY: United States (1USA);

47/5/2 (Item 1 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
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07656753 NYT Sequence Number: 823430990112

**\$399 COMPUTERS FROM EMACHINES**

Reuters

New York Times, Col. 6, Pg. 6, Sec. C

Tuesday January 12 1999

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT:

Emachines Inc, supplier of low-cost personal computers, introduces new models that will be priced as low as \$399, **after** a **rebate**, undercutting major **makers** of personal computers by a third (S)

COMPANY NAMES: Emachines Inc

DESCRIPTORS: Computers and Information Systems; Prices (Fares, Fees and Rates); Personal Computers

47/5/3 (Item 1 from file: 475)  
DIALOG(R)File 475:Wall Street Journal Abs  
(c) 2002 The New York Times. All rts. reserv.

08124533 NYT Sequence Number: 000000020118

**INJUNCTION IS LIFTED ON MICHIGAN PLAN TO CUT DRUG COSTS**

GOLD, RUSSELL (BYLINER)

Wall Street Journal, Col. 6, Pg. 2, Sec. B

Friday January 18 2002

DOCUMENT TYPE: Newspaper JOURNAL CODE: WSJ LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT:

Michigan expects to implement an ambitious plan in early February to cut prescription-drug costs by seeking **rebates** from certain **manufacturers**, **after** a state appellate court lifted a lower-court injunction blocking the program (M)

DESCRIPTORS: DRUGS (PHARMACEUTICALS); HEALTH INSURANCE; REBATES; SUITS AND

LITIGATION; LAW AND LEGISLATION  
PERSONAL NAMES: GOLD, RUSSELL (BYLINER)  
GEOGRAPHIC NAMES: MICHIGAN

File 15:ABI/Inform(R) 1971-2002/Sep 04  
(c) 2002 ProQuest Info&Learning  
File 9:Business & Industry(R) Jul/1994-2002/Sep 03  
(c) 2002 Resp. DB Svcs.  
File 610:Business Wire 1999-2002/Sep 04  
(c) 2002 Business Wire.  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 275:Gale Group Computer DB(TM) 1983-2002/Sep 04  
(c) 2002 The Gale Group  
File 476:Financial Times Fulltext 1982-2002/Sep 04  
(c) 2002 Financial Times Ltd  
File 624:McGraw-Hill Publications 1985-2002/Sep 04  
(c) 2002 McGraw-Hill Co. Inc  
File 636:Gale Group Newsletter DB(TM) 1987-2002/Sep 04  
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File 621:Gale Group New Prod.Annou.(R) 1985-2002/Sep 02  
(c) 2002 The Gale Group  
File 613:PR Newswire 1999-2002/Sep 04  
(c) 2002 PR Newswire Association Inc  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 16:Gale Group PROMT(R) 1990-2002/Sep 04  
(c) 2002 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 634:San Jose Mercury Jun 1985-2002/Sep 03  
(c) 2002 San Jose Mercury News  
File 148:Gale Group Trade & Industry DB 1976-2002/Sep 03  
(c)2002 The Gale Group  
File 20:Dialog Global Reporter 1997-2002/Sep 04  
(c) 2002 The Dialog Corp.

Set	Items	Description
S1	47631	(IMMEDIATE? OR INSTANT? OR PROMPT? OR CURRENT? OR NOW OR PRESENT OR PRESENTLY) (2N) (REBATE? OR DISCOUNT? OR COUPON? OR VOUCHER? OR (PRICE OR FEE OR FEES OR CHARG?) (2N) (ABATE? OR CONCESSION? OR REDUC? OR DEDUCT? OR SET(1W)OFF OR BREAK?))
S2	1138	S1(5N) (CONTINGEN? OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTER?)
S3	24023	(MANUFACTURER? OR PRODUCER? OR MAKER? OR CREATOR? OR BUILDER? OR OEM) (3N) (REBATE? OR DISCOUNT? OR COUPON? OR VOUCHER? OR (PRICE OR FEE OR FEES OR CHARG?) (2N) (ABATE? OR CONCESSION? OR REDUC? OR DEDUCT? OR SET(1W)OFF OR BREAK?))
S4	369	(FIRST? OR INITIAL OR INITIALLY OR PRECED? OR LEAD OR LEADING) (3N)S3
S5	102	(SECOND OR 2ND OR POS OR POINT(3W) (SALE OR SERVICE OR PURCHASE) OR EPOS OR POP) (3N)S3
S6	0	S5(5W) (CONTINGEN? OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTER?) (5W)S4
S7	0	S2(10N)S4
S8	2	S2 AND S4
S9	0	(S1 OR S5) AND ((CONTINGEN? OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTER?) (3W)S4)
S10	1941	(S1 OR S5) (10N) (CONTINGEN? OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTER?)
S11	2	S10(S)S5
S12	0	S10(S)S4
S13	2	S10 AND S4
S14	0	S5(5N) (CONTINGEN? OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTER?)
S15	300	S3(5N) (IDENTIF? OR DETECT? OR FOUND? OR FIND? OR DISCOVER? OR RECOGNI????? OR DISCERN? OR UNCOVER? OR PINPOINT?)
S16	168	S15 AND (S1 OR S5 OR CONTINGEN? OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTER?)
S17	0	S10 AND S15
S18	16	S15 AND (S1 OR S5) AND (CONTINGEN? OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTER?)

S19

13 RD (unique items)

8/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01018246 96-67639

**The advertising exposure effect of free standing inserts**  
Srinivasan, Srini S; Leone, Robert P; Mulhern, Francis J  
Journal of Advertising v24n1 PP: 29-40 Spring 1995  
ISSN: 0091-3367 JRNL CODE: JOA  
WORD COUNT: 5458

...TEXT: of coupons, manufacturers have serious concerns about their efficacy. The high costs associated with distributing **coupons lead manufacturers** to question their success in stimulating brand sales and improving profitability. Because of these concerns...and Neslin 1990, p. 300). Inman and McAlister (1994) find that coupon redemptions are high **immediately after the coupon** drop and decline dramatically over time until just prior to the expiration data when redemptions...omitted)

Since the effect of an FSI is likely to be greatest in the weeks **immediately after the coupon** is dropped and subsequently declines, we include a decay variable, W sub it , to represent...

8/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

07810839 SUPPLIER NUMBER: 17012226 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The advertising exposure effect of free standing inserts.**  
Srinivasan, Srini S.; Leone, Robert P.; Mulhern, Francis J.  
Journal of Advertising, v24, n1, p29(12)  
Spring, 1995  
ISSN: 0091-3367 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 5803 LINE COUNT: 00460

... of coupons, manufacturers have serious concerns about their efficacy. The high costs associated with distributing **coupons lead manufacturers** to question their success in stimulating brand sales and improving profitability. Because of these concerns...and Neslin 1990, p. 300). Inman and McAlister (1994) find that coupon redemptions are high **immediately after the coupon** drop and decline dramatically over time until just prior to the expiration data when redemptions...response.

Since the effect of an FSI is likely to be greatest in the weeks **immediately after the coupon** is dropped and subsequently declines, we include a decay variable, [w.sub.it], to represent...



13/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01018246 96-67639

**The advertising exposure effect of free standing inserts**  
Srinivasan, Srini S; Leone, Robert P; Mulhern, Francis J  
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13/3,K/2 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

07810839 SUPPLIER NUMBER: 17012226 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
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... of coupons, manufacturers have serious concerns about their efficacy. The high costs associated with distributing **coupons lead manufacturers** to question their success in stimulating brand sales and improving profitability. Because of these concerns...and Neslin 1990, p. 300). Inman and McAlister (1994) find that coupon redemptions are high **immediately after the coupon** drop and decline dramatically over time until just prior to the expiration data when redemptions...response.

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19/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01815106 04-66097

**Give logistics its own place in the price equation**

Marino, Anthony P; Edwards, David J

Hospital Materials Management v24n5 PP: 10-11 May 1999

JRNL CODE: HMA

WORD COUNT: 1098

...ABSTRACT: hospital can expect to see supply cost savings: 1. 7%-11% - distribution fee, service fee, **rebates**, tracing fees, **prompt pay discounts** and transportation opportunities, 2. 5%-7% - substitution and utilization, 3. 5%-6% - standardization, and 4...

...TEXT: value products with self-manufactured, private labeled, or national brand products that come with preferential **discounts**.

A national brand **manufacturer** may find it does not have the ability to gain franchise status with a distributor. Even if...

... needed to streamline distribution has both advanced rapidly and decreased in price in recent years.

**Based** on that recent experience, a 3PL should be able to deliver savings of between 17% and...

...the hospital can expect to see supply cost savings:

7%-11%: distribution fee, service fee, **rebates**, tracing fees, **prompt pay discounts** and transportation opportunities

5%-7%: substitution and utilization (Logistics, continued from page 10)

5%-6...

... wanted to be the first to implement a stockless system. However, everyone wanted to participate **after** the early programs proved successful.

To overcome the skepticism, major 3PLs have hired health care...

19/3,K/2 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00587143 92-02316

**Coupons Maintain Redeeming Qualities**

Anonymous

Direct Marketing v54n8 PP: 25-27 Dec 1991

ISSN: 0012-3188 JRNL CODE: DIM

WORD COUNT: 2223

...TEXT: coupons redeemed in 1990 exceeding the world population. There are more than 3,000 manufacturers **currently** using **coupons** in the United States, a 50 percent increase over the last 10 years.

Many changes...

...budget allocations is partially attributed to changes in the economy and world events.

Additional survey **findings** include:

\* A greater percentage of **manufacturers** are using **coupons** and cents-off promotions, while the use of money-back offers/cash refunds, sweepstakes and... their interest in it and their "need" for it, rather than making

their decision solely **based** on the face value of the coupon.

There are, however, minimum threshold values which should not...shopping behavior. This study supports our model's findings and underscores the importance of using **coupons** in our **current** economic environment.

#### Future Considerations

From the very first use of coupons by C.W. Post...

19/3,K/3 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

04160689 Supplier Number: 54520102 (USE FORMAT 7 FOR FULLTEXT)

#### Price survey.

Hospital Materials Management, v24, n5, pNA

May, 1999

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 10377

... Winnipeg, Canada, and its National Healthcare Logistics subsidiary, to establish and manage a distribution system **based** on a hub-and-spoke concept. The system will begin with eight member hospitals in greater...

...to deliver products to the hospitals by July. Plans call for adding more member hospitals **after** the system is running. The company will receive a management fee for managing the distribution...a semi-annual event. The award is meant to be a personal one, Felix said, **based** on the rep's performance. "A contract is only a piece of paper," she noted. "Without... Novation estimates its members will save \$28 million over the contract's three-year term, **based** on annual spending of \$150 million on the nuclear imaging, or radiopharmaceutical products. The award unseated... lost. According to a company statement, \$4.2 million of that annual business was not **based** on the VHA contract, but on deals with individual hospitals. In a statement directed at investors...

...HealthSystem Consortium (UHC), Oak Brook, Ill. Additional savings are provided in the new Novation deal, **based** on the combined spending volume of \$45 million per year on covered products. In particular, Novation ...

...Bardex catheters. Bard says the catheters reduce urinary tract infections by 30%. Novation estimates that **based** on those projections, members will save a total of \$23,000 per year if all adopt...what is expected to be a multi-source deal. The choice of Boston Scientific was **based** on the recommendation of a committee of Premier physicians and cath lab directors. Premier members include...value products with self-manufactured, private labeled, or national brand products that come with preferential **discounts**. A national brand **manufacturer** may **find** it does not have the ability to gain franchise status with a distributor. Even if...

...needed to streamline distribution has both advanced rapidly and decreased in price in recent years. **Based** on that recent experience, a 3PL should be able to deliver savings of between 17% and...

...the hospital can expect to see supply cost savings: \* 7%-11%: distribution fee, service fee, **rebates**, tracing fees, **prompt** pay **discounts** and transportation opportunities \* 5%-7%: substitution and utilization \* 5%-6% standardization \* 2%-3% price reduction...

...wanted to be the first to implement a stockless system. However, everyone wanted to participate **after** the early programs proved successful. To overcome the skepticism, major 3PLs have hired health care ...change was voluntary. "It was a recognition of the role we had," Gornik

said shortly **after** the change. Mercy has continued to refine its goals and define its image. In early...

...cephalosporins and related" category ended the year below 100. This category has moved steadily downward **after** a brief increase in the first quarter of 1998. HMM obtains its indices from IMS...of 41.5 or higher points to expansion of overall manufacturing inventories. The index is **based on** a survey of purchasing managers at manufacturing companies. A figure of less than 50.0...

19/3,K/4 (Item 1 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0798308 DC019  
**ENDING DRUG MAKERS' DISCRIMINATORY PRICING PRACTICES COULD LOWER  
PRESCRIPTION DRUG PRICES BY 12 PERCENT**

DATE: March 15, 1995 13:46 EST WORD COUNT: 744

...manufacturers' discriminatory pricing practices. Current manufacturer practices deny neighborhood drug stores the same types of **discounts now** given by drug makers to hospital, HMO and mail order pharmacy operations.

An independent analysis...

...CPI rate of inflation in 1994, according to the NACDS PRIME Index. The data is **based on** fourth quarter 1994 compared to the same period in 1993.

As drug prices continued to...

...few sectors of the marketplace should not create the perception that all consumers benefit from **manufacturers' limited discounts**."

**Founded** in 1933 and based in Alexandria, Virginia, the National Association of Chain Drug Stores (NACDS...

19/3,K/5 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

05399928 Supplier Number: 54115141 (USE FORMAT 7 FOR FULLTEXT)  
**When crime pays. (manufacturer coupons)**  
Beyer, Leslie  
Grocery Headquarters, v63, n12, p41(3)  
Dec, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Tabloid; Trade  
Word Count: 2324

... specific life," he explains. "If the manufacturer is still paying on a promotion six months **after** it's over, that money has to come from somewhere."

Corry says it is difficult...

...lot of different ways to look at and attack it."

Although it is difficult for **manufacturers** to determine **coupon** loss, Corry says P&G **detects** a significant amount of misredemption, and takes steps to minimize and mitigate it. He notes...profitable target.

"There is growing concern over Internet coupons," says GMA's Allen. "Consumers are **now** being offered **coupons** through the Internet they can print at home. Because these coupons are black and white...  
...Md. 90210 (zip code sound familiar? It's the zip of Beverly Hills, Calif.).

Shortly **after** obtaining the coupon image, Ima Crook - who is now

able to produce an unlimited number...

19/3,K/6 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

03169684 Supplier Number: 44331684 (USE FORMAT 7 FOR FULLTEXT)  
**Coupon Scan Code Extension Nears OK**  
Supermarket News, p9  
Jan 3, 1994  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 531

... supermarkets and manufacturers on the code and is expected to rubber stamp the proposal shortly **after** the February meeting.

While current codes generally identify only the discount and sometimes the product...

...were dropped, their expiration date, offer code and household code.

'One-half of the stores **currently** scanning **coupons** are only scanning the coupon's value,' said Pat Kiernan, senior vice president of industry...

...in half' over the next several years.

The added information would make the code the **foundation** of electronic **coupon** clearing.

' **Manufacturers** need more information than the scanned barcode holds,' Sefcik explained. 'We are trying to incorporate...

...winning approval from manufacturers since it takes up only slightly more surface area on a **coupon** than **current** codes. The current code takes up about 1 inch by 1.5 inches.

'At most...

19/3,K/7 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

12754210 SUPPLIER NUMBER: 66499087 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**REBATES, INVENTORIES, AND INTERTEMPORAL PRICE DISCRIMINATION. (Statistical Data Included)**

AULT, RICHARD W.; BEARD, T. RANDOLPH; LABAND, DAVID N.; SABA, RICHARD P.  
Economic Inquiry, 38, 4, 570

Oct, 2000

DOCUMENT TYPE: Statistical Data Included ISSN: 0095-2583

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 5291 LINE COUNT: 00450

... by Hanley (1987) and Higgins (1989), sellers of less costly items recently have started providing " **instant** " **rebates** or on-package coupons, which can easily be used by all buyers at the time...level, the level of product market demand, and costs of all players are common knowledge. **After** observing (I.sub.t-1) and market demand, the manufacturer selects a uniform wholesale price...low price for resale once the manufacturer discontinued the trade deal. For this reason, the **manufacturer** would **find** a **rebate** /coupon strategy more profitable than a trade deal.

To frustrate the arbitrage behavior of consumers...

...844-4615, E-mail sabaric@mail.auburn.edu

(1.) Our claim in this regard comes **after** analyzing the customer and dealer incentive programs advertised weekly in Automotive News from January 1...electronics, furniture, and mobile homes. A variety of low-cost items now come packaged with **instant** -redemption **coupons** .

#### REFERENCES

Aiginger, Karl. Production and Decision Theory under Uncertainty.

New York: Basil Blackwell, 1987.  
Blattberg...

...Determining Optimum Price Promotion Quantities." Journal of Marketing, October 1970, 31-39.

Hanley, Kevin. "Update: **Instant Rebates**," Target Marketing, October 1987, 22.

Higgins, Kevin T. " **Instant Rebate** Checks Gaining on Traditional Programs." Marketing News, July 3, 1989, 2.

Jeuland, Abel, and Chakravarthi...

19/3,K/8 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

07170074 SUPPLIER NUMBER: 14677148 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Coupon scan code extension nears OK.**

Nannery, Matt

Supermarket News, v44, n1, p9(2)

Jan 3, 1994

ISSN: 0039-5803 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 567 LINE COUNT: 00045

... supermarkets and manufacturers on the code and is expected to rubber stamp the proposal shortly **after** the February meeting.

While current codes generally identify only the discount and sometimes the product...

...were dropped, their expiration date, offer code and household code.

"One-half of the stores **currently** scanning **coupons** are only scanning the coupon's value," said Pat Kiernan, senior vice president of industry...

...in half" over the next several years.

The added information would make the code the **foundation** of electronic **coupon** clearing.

" **Manufacturers** need more information than the scanned bar-code holds," Sefcik explained. "We are trying to..."

...winning approval from manufacturers since it takes up only slightly more surface area on a **coupon** than **current** codes. The current code takes up about 1 inch by 1.5 inches.

"At most..."

19/3,K/9 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

06814906 SUPPLIER NUMBER: 14473175 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The workhorse plows on: times may be a-changin,' but coupons remain a critical marketing tool. (Couponing)**

Studnick, Alison

Food & Beverage Marketing, v12, n9, p15(1)

Sept, 1993

ISSN: 0731-3799 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1078 LINE COUNT: 00084

... 92. (All data courtesy of NCH Promotional Services.)

Consumers aren't the only ones who **find** value in **coupons** ; **manufacturers** have made them the single most effective marketing medium to induce trial, build market share...

...volume with a multi-faceted product offer. The manufacturer released a national FSI with an **instant coupon** for a free package of new Boboli pizza sauce when consumers purchased one Boboli pizza...

...combination of FSIs and two in-store programs: Catalina's Checkout Coupon and Actmedia's **Instant Coupon Machine**.

In an effort to get consumers to try the new canola and corn oil...  
...depending on how much motivation we think they'll need," adds Singer.  
"And Actmedia's **Instant Coupon Machine** is a great tool because we can catch consumers' attention at the shelf, where...

...three forces: manufacturer marketing programs, such as everyday low pricing; consumer confidence, which recently fell **after** President Clinton announced his budget plans; and the strength of the economy. While the future...

19/3,K/10 (Item 4 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

05560356 SUPPLIER NUMBER: 11704373 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
In-ad coupons **still gaining**, now **used by 50% of consumers**: NCH. (NCH  
Promotional Services)  
Frozen Food Age, v40, n5, p36(1)  
Dec, 1991  
ISSN: 0016-2191 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 469 LINE COUNT: 00036

In-ad coupons **still gaining**, now **used by 50% of consumers**: NCH. (NCH  
Promotional Services)

TEXT:

In-Ad **Coupons Still Gaining**, **Now Used by 50% of Consumers**: NCH  
... coupons help retailers boost sales since one-third of user  
respondents said they changed stores **based on** availability of these  
coupons.

In-ad coupons also generate increased new product sampling and can...

...For retailers, developing in-ad promotions consumes time and labor and  
yields little usable data. **Manufacturers find in-ad coupons** difficult  
to control in terms of budget, ad layouts and processing.

Accordingly, NCH has developed...

19/3,K/11 (Item 5 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

02837969 SUPPLIER NUMBER: 04132008 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Rebate fraud uncovered; cost of nationwide scheme still undetermined.**  
(housewares)  
Brumback, Nancy  
HFD-The Weekly Home Furnishings Newspaper, v60, p47(2)  
Feb 10, 1986  
ISSN: 0746-7885 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1378 LINE COUNT: 00105

... have taken steps to shred or otherwise destroy the proofs of  
purchase and sales slips **after** processing, according to an executive of  
one fulfillment house involved.

Several small appliance manufacturers who...

...went up in a massive way in the spring of 1985.'

With the fulfillment houses **now** shredding **rebate** offers, "over a  
period of time, if we see the breakage percentage come back down...

...most likely not cover losses from the fraud because those losses are so  
difficult to **pinpoint**.

Not all **manufacturers** with heavy **rebate** programs have been hit.

Conair Corp., which uses a fulfillment house in Minneapolis, has no

...

19/3,K/12 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

02334453 SUPPLIER NUMBER: 03756723 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The double coupon dilemma: any way off the competitive treadmill.**  
Sansolo, Michael  
Progressive Grocer, v64, p44(5)  
May, 1985  
ISSN: 0033-0787 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1999 LINE COUNT: 00156

... and a half hour shopping spree.

Progressive Grocer's annual survey of the grocery industry **found** that promotions in which **manufacturers' coupons** were redeemed for double, triple and even quadruple their face value were offered in 41...

...of the promotion--increasing volume--is never realized. "It's a lazy way to promote. **After** all, what makes one double coupon better than another?" he says.

According to the study...to 81.2 billion in 1979 and then to 90.6 billion in 1980. But **based on** figures compiled by Nielsen on coupon activity through 1984 and estimates from American Can on...

...billion more than were redeemed in 1984. He says the average face value of a **coupon**, **currently** 26.2 cents, according to Nielsen, should rise to about 30 cents, bringing the total...

...operating with the same system."

The system of the future that is frequently referred to-- **coupon** scanning--is **currently** being tested by Wegmans in upstate New York. The early results are good, according to...

...full time-saving benefits of coupon scanning, he says, because less than half of the **coupons** in use **currently** carry the Universal Product Code symbol. But, Off says, "the prospects for the future are...

...promotions become so widespread. And they won't change consumers' habits.

As Marcel LeMoigne said **after** leaving his local supermarket with all of his free groceries: "This is a lot of..."

19/3,K/13 (Item 7 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2002 The Gale Group. All rts. reserv.

02033482 SUPPLIER NUMBER: 03077710 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Competitive strategies reach new dimensions in '84: here's how industry leaders answer the toughest questions.**  
Supermarket Business, v39, p20(6)  
Jan, 1984  
ISSN: 0196-5700 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 7646 LINE COUNT: 00553

... Oshawa in Toronto about five years ago. Toronto was having a terrific price war. But **after** it was over IGA members were doing better than they had before; they had increased...restricting people from doing it, or letting them learn the hard way?

DeFabis: Absolutely not. **Manufacturers** put **coupons** out wherever they **find** them effective for them. They've got their role to play and they've got...

...more and more that way. We'll be increasing private labels, mainly on account of **couponing**. **Now**, if nobody gave double coupons, I wouldn't feel like increasing the private labels. If...to do if they intervene?



Nobody knows what the hell predatory pricing is until years **after** the fact when they put enough people out of business and you see the margins **after** were higher than before. If they're going to do it, they've got to ...

File 635:Business Dateline(R) 1985-2002/Sep 04  
     (c) 2002 ProQuest Info&Learning  
 File 570:Gale Group MARS(R) 1984-2002/Sep 04  
     (c) 2002 The Gale Group  
 File 387:The Denver Post 1994-2002/Aug 30  
     (c) 2002 Denver Post  
 File 471:New York Times Fulltext 90-Day 2002/Sep 03  
     (c) 2002 The New York Times  
 File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
     (c) 2002 Phoenix Newspapers  
 File 494:St LouisPost-Dispatch 1988-2002/Sep 02  
     (c) 2002 St Louis Post-Dispatch  
 File 498:Detroit Free Press 1987-2002/Sep 04  
     (c) 2002 Detroit Free Press Inc.  
 File 631:Boston Globe 1980-2002/Sep 01  
     (c) 2002 Boston Globe  
 File 633:Phil.Inquirer 1983-2002/Sep 03  
     (c) 2002 Philadelphia Newspapers Inc  
 File 638:Newsday/New York Newsday 1987-2002/Aug 31  
     (c) 2002 Newsday Inc.  
 File 640:San Francisco Chronicle 1988-2002/Sep 04  
     (c) 2002 Chronicle Publ. Co.  
 File 641:Rocky Mountain News Jun 1989-2002/Aug 30  
     (c) 2002 Scripps Howard News  
 File 702:Miami Herald 1983-2002/Sep 03  
     (c) 2002 The Miami Herald Publishing Co.  
 File 703:USA Today 1989-2002/Sep 03  
     (c) 2002 USA Today  
 File 704:(Portland)The Oregonian 1989-2002/Sep 02  
     (c) 2002 The Oregonian  
 File 713:Atlanta J/Const. 1989-2002/Sep 01  
     (c) 2002 Atlanta Newspapers  
 File 714:(Baltimore) The Sun 1990-2002/Sep 03  
     (c) 2002 Baltimore Sun  
 File 715:Christian Sci.Mon. 1989-2002/Sep 04  
     (c) 2002 Christian Science Monitor  
 File 725:(Cleveland)Plain Dealer Aug 1991-2000/Dec 13  
     (c) 2000 The Plain Dealer  
 File 735:St. Petersburg Times 1989- 2000/Nov 01  
     (c) 2000 St. Petersburg Times  
 File 476:Financial Times Fulltext 1982-2002/Sep 04  
     (c) 2002 Financial Times Ltd  
 File 477:Irish Times 1999-2002/Sep 04  
     (c) 2002 Irish Times  
 File 710:Times/Sun.Times(London) Jun 1988-2002/Sep 04  
     (c) 2002 Times Newspapers  
 File 711:Independent(London) Sep 1988-2002/Aug 18  
     (c) 2002 Newspaper Publ. PLC  
 File 756:Daily/Sunday Telegraph 2000-2002/Sep 04  
     (c) 2002 Telegraph Group  
 File 757:Mirror Publications/Independent Newspapers 2000-2002/Sep 04  
     (c) 2002

Set	Items	Description
S1	12090	(IMMEDIATE? OR INSTANT? OR PROMPT? OR CURRENT? OR NOW OR PRESENT OR PRESENTLY) (2N) (REBATE? OR DISCOUNT? OR COUPON? OR VOUCHER? OR (PRICE OR FEE OR FEES OR CHARG?) (2N) (ABATE? OR CONCESSION? OR REDUC? OR DEDUCT? OR SET(1W)OFF OR BREAK?))
S2	6458	(MANUFACTURER? OR PRODUCER? OR MAKER? OR CREATOR? OR BUILDER? OR OEM) (3N) (REBATE? OR DISCOUNT? OR COUPON? OR VOUCHER? OR (PRICE OR FEE OR FEES OR CHARG?) (2N) (ABATE? OR CONCESSION? OR REDUC? OR DEDUCT? OR SET(1W)OFF OR BREAK?))
S3	86	S2(5N) (IDENTIF? OR DETECT? OR FOUND? OR FIND? OR DISCOVER? OR RECOGNI????? OR DISCERN? OR UNCOVER? OR PINPOINT?)
S4	30	S2(5N) (SECOND OR 2ND OR POS OR POINT(3W) (SALE OR SERVICE OR PURCHASE) OR EPOS OR POP OR POS)
S5	92	S2(5N) (FIRST? OR INITIAL OR INITIALLY OR PRECED? OR LEAD OR LEADING)

S6	0	(CONTINGEN? OR CONDITIONAL? OR BASED() (ON OR UPON) OR AFTE-
		R?) (5W)S5
S7	23	S4 NOT PD>20000216
S8	21	RD (unique items)
S9	6449	(S1 OR S4) AND (CONTINGEN? OR CONDITIONAL? OR BASED() (ON OR
		UPON) OR AFTER?)
S10	0	S9(S)S5
S11	6	S9 AND S5
S12	6	RD (unique items)
S13	193	((S1 OR S4) (5N) (CONTINGEN? OR CONDITIONAL? OR BASED() (ON OR
		UPON) OR AFTER?)) NOT (S7 OR S12)
S14	0	S3 AND S13
S15	0	S5 AND S13
S16	158	S13 NOT PD>20000216
S17	158	RD (unique items)
S18	1	S2 AND S17
S19	122	(S1 OR S4) (S) S2
S20	96	(S1 OR S4) (10N) S2
S21	83	S20 NOT PD>20000216
S22	81	RD (unique items)
S23	1	S3 AND S22
S24	5	(S1 OR S4) AND S3
S25	5	RD (unique items)

8/3,K/1 (Item 1 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0810804 97-71075

**Golden leftovers: Textile-mill overruns provide cheap fabric for firms that turn remnants into profits**

McKenzie, Rob  
Montreal Gazette (Montreal, QUE, Canada) pC.3  
PUBL DATE: 970505  
WORD COUNT: 774  
DATELINE: Montreal, QUE, Canada, Quebec

TEXT:

...business.

"Their first choice is a manufacturer - even if they have to sell to the **manufacturer** at a **discount**," he said. The **second** choice is the retail-fabric outlets. Third are the wholesalers.

No. 4? There is no...

8/3,K/2 (Item 2 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

0763279 97-21814

**Cott posts profit, Nichol steps down as president**

Shecter, Barbara  
Financial Post-Toronto (Toronto, ONT, Canada) p10  
PUBL DATE: 961207  
WORD COUNT: 443  
DATELINE: Toronto, ONT, Canada, Ontario

TEXT:

...stepping out of soft drink operations at Toronto-based Cott Corp. to further develop the **discount pop maker** 's designer food company, of which he owns 25%.

Chairman and chief executive Gerald Pencer...

8/3,K/3 (Item 3 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

0673914 96-30957

**Norwest Mortgage courts builders**

Mattson, Beth  
Minneapolis-St Paul CityBusiness (Minneapolis, MN, US), V13 N36 p15  
PUBL DATE: 960209  
WORD COUNT: 815  
DATELINE: St Paul, MN, US, Midwest

TEXT:

...coupons for products and services such as moving assistance, carpet cleaning and lawn care. The **second** program involves forming relationships with **manufacturers** to secure similar **discounts** for developers on building materials.

Builder Gold will be available to all builders, but Norwest...

8/3,K/4 (Item 4 from file: 635)

DIALOG(R)File 635:Business Dateline(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

0543433 95-00314

**It's simple -- Use Simply Tax**

Rubin, Samantha

Business Wire (San Francisco, CA, US) s1 p1

PUBL DATE: 941109

WORD COUNT: 834

DATELINE: Islandia, NY, US

TEXT:

...a money back offer of \$15 through traditional retail channels. This offer consists of one **point -of- sale rebate manufacturers coupon** of \$15 which will be offered from November 1, 1994 - January 31, 1995. This allows...

**8/3,K/5 (Item 5 from file: 635)**

DIALOG(R)File 635:Business Dateline(R)

(c) 2002 ProQuest Info&Learning. All rts. reserv.

0244214 91-68154

**Putting a New Face on Plywood**

Meitrodt, Jeffrey

New Orleans CityBusiness (Metairie, LA, US), V12 N3 s1 p1

PUBL DATE: 910812

WORD COUNT: 1,590

DATELINE: New Orleans, LA, US

TEXT:

...changes are small: the long-overdue debut of product brochures and installation instructions, more effective **point -of- sale** materials, a **manufacturer 's rebate** program. Others, such as the introduction of new products, are bolder. Taken together, Roller believes...

**8/3,K/6 (Item 1 from file: 570)**

DIALOG(R)File 570:Gale Group MARS(R)

(c) 2002 The Gale Group. All rts. reserv.

01879020 Supplier Number: 60069142 (USE FORMAT 7 FOR FULLTEXT)

**Customer service: The high-tech touch.**

Hardgrove, Amy

Grocery Headquarters, v66, n2, p59

Feb, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 2823

... with its frequent shopper card program in 1993. The units draw on the store's **point -of- sale** and customer data to provide **manufacturers ' coupons** that correlate to a customer's past purchases.

"The dawning of electronic marketing at store...

**8/3,K/7 (Item 2 from file: 570)**

DIALOG(R)File 570:Gale Group MARS(R)

(c) 2002 The Gale Group. All rts. reserv.

01607885 Supplier Number: 47195016 (USE FORMAT 7 FOR FULLTEXT)

**NICA Offers More Than Just Food Benefits**

Guier, Cindy Stooksbury

Amusement Business, p21

March 10, 1997

ISSN: 0003-2344

Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 773

... food vendors is the organization's annual Food Show, where concessionaires can meet with product **manufacturers** and obtain **discounts** on products.

The **second** annual Food Show was held Feb. 4-5 in Gibsonton, Fla., during the annual gatherings...

8/3,K/8 (Item 3 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01488730 Supplier Number: 45314012 (USE FORMAT 7 FOR FULLTEXT)  
**More Coupons Are Out There, But Fewer Are Redeemed**  
Research Alert, v0, n0, pN/A  
Feb 3, 1995  
ISSN: 0739-358X  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 481

... the report. NCH studies show an inverse relationship between consumer confidence in the economy and **coupon** redemption.

**Second**, **manufacturers** continue to use short expiration periods, which adversely affect redemption. Short expiration dates reduce the...

8/3,K/9 (Item 4 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01411149 Supplier Number: 44330703 (USE FORMAT 7 FOR FULLTEXT)  
**Videotapes turn faster with added value**  
Drug Store News, v0, n0, p8  
Jan 3, 1994  
ISSN: 0191-7587  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 940

... Kodak.

The category is humming with value-added promotions ranging from on-pack premiums and **point -of- purchase** giveaways to cross-promotion **coupons**.

That's because **manufacturers** and retailers are battling for sales of the hotly competitive T-120 tapes, by far...

8/3,K/10 (Item 5 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01394259 Supplier Number: 44114345 (USE FORMAT 7 FOR FULLTEXT)  
**Bra Promotions: What Price Off-Price?**  
WWD, v0, n0, p4  
Sept 23, 1993  
ISSN: 0149-5380  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1466

... side by side in foundations departments. And, occasionally, the promotional spiel includes mail-in redeemable **coupons** to the **manufacturer** for a **second** free bra - totaling four bass.

'Some vendors 'are beating their brains out over these promotions...

8/3,K/11 (Item 6 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01127416 Supplier Number: 41485167 (USE FORMAT 7 FOR FULLTEXT)  
**Citreshine Revitalizing Shampoo with Vita-Protamine; Revitalizing Shampoo  
with Vita-Protamine - Individual Packets; Reconstructing Conditioner with  
Vita-Protami**  
Product Alert, v0, n0, pN/A  
August 6, 1990  
ISSN: 0740-3801  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 226

(USE FORMAT 7 FOR FULLTEXT)

TEXT:  
...come in 25ml Individual Packets. The line will be supported with  
national print advertising and **manufacturer 's coupons** , POP displays,  
bonus sizes, combination packs and trial sizes. To obtain a sample of this  
product...

8/3,K/12 (Item 7 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01127415 Supplier Number: 41485165 (USE FORMAT 7 FOR FULLTEXT)  
**Citreshine Holding Spritz with Vita-Protamine - Extra Control; Shaping Gel  
with Vita-Protamine - Extra Hold MANUFACTURER: Advanced Research  
Laboratories CATEGOR**  
Product Alert, v0, n0, pN/A  
August 6, 1990  
ISSN: 0740-3801  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 267

(USE FORMAT 7 FOR FULLTEXT)

TEXT:  
...testing, they are also said to be natural and bio-degradable. National  
print advertising and **manufacturer 's coupons** , POP displays, bonus  
sizes, combination packs and trial sizes will support the introduction. To  
obtain a...

8/3,K/13 (Item 8 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01066552 Supplier Number: 40901382  
**Firm launches electronic frequent shopper plan**  
Marketing News, v23, n17, p17  
August 14, 1989  
ISSN: 0025-3790  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:  
...Rebates part of the program mails notices to frequent shopper club  
members alerting them to **manufacturers ' product rebate** offers. The  
**second** part of the program is the Checkout Frequent Shopper Club. It  
involves plastic cards that...

8/3,K/14 (Item 1 from file: 631)

DIALOG(R)File 631:Boston Globe  
(c) 2002 Boston Globe. All rts. reserv.

09606166

**THE SOFA'S NEW CLOTHES WITH A CUT HERE AND A PIN THERE, SLIPCOVER MAKERS  
STITCH UP MAKEOVER MAGIC**

Boston Globe (BG) - THURSDAY, April 16, 1998

By: Patti Doten, Globe Staff

Edition: Third Section: At Home Page: F1

Word Count: 1,001

...chair, and \$350 to upholster it."

Smith buys first-run fabrics that are guaranteed by **manufacturers**. The big **discount** fabric stores, he contends, sell **second**-run fabrics that may have defects.

Bonnie Pendergast, office manager of Copley Upholstering Co. in...

**8/3,K/15 (Item 1 from file: 640)**

DIALOG(R)File 640:San Francisco Chronicle

(c) 2002 Chronicle Publ. Co. All rts. reserv.

07055102

**WHAT'S NEW**

San Francisco Chronicle (SF) - WEDNESDAY, February 24, 1993

By: M.A. MARINER, KAROLA SAEKEL, MICHELE ANDERSON

Edition: FINAL Section: FOOD Page: 1/2Z1

Word Count: 1,195

... increased 10 percent in the recessionary first half of '92; only 3 percent in the **second** half. **Manufacturers** issued 310 billion **coupons** in '92; consumers used 7.7 billion.

-- K.S.

----

EATING OUT

HIGHTAILING IT TO THE...

**8/3,K/16 (Item 1 from file: 702)**

DIALOG(R)File 702:Miami Herald

(c) 2002 The Miami Herald Publishing Co. All rts. reserv.

09182011

**MIRAMAR OFFERS AIRBUS TAX BREAKS**

Miami Herald (MH) - Tuesday, July 1, 1997

By: JULIE KAY Herald Staff Writer

Edition: Broward Section: Broward News Page: 1BR

Word Count: 633

TEXT:

...Broward city.

In a special meeting Monday, city commissioners agreed to give the world's **second**-largest airplane **manufacturer** property tax **rebates** totaling roughly \$400,000 over a 10-year period. The offer was made in a ...

**8/3,K/17 (Item 1 from file: 725)**

DIALOG(R)File 725:(Cleveland)Plain Dealer



(c) 2000 The Plain Dealer. All rts. reserv.

10511034

**MICROSOFT LOSES 2ND APPEAL IN TEMP WORKERS' BENEFIT SUIT**

Plain Dealer (Cleveland) (PD) - Tuesday, January 11, 2000

By: FROM WIRE REPORTS

Edition: FINAL / ALL Section: BUSINESS Page: 4C

Word Count: 244

TEXT:

... a decision that more than 10,000 additional workers probably are eligible for the software maker 's discounted stock-purchase plan.

For the second time in two years, the nation's highest court refused to get involved in a...

8/3,K/18 (Item 1 from file: 476)

DIALOG(R)File 476:Financial Times Fulltext

(c) 2002 Financial Times Ltd. All rts. reserv.

0008500304 BOGF1AAAE2FT

Comment & Analysis: A low point for high-tech: John Burton, Louise Kehoe, Michiyo Nakamoto and Paul Taylor on the shockwaves caused by a plunge in the price of computer chips

JOHN BURTON, LOUISE KEHOE, MICHIOYO NAKAMOTO and PAUL TAYLOR

Financial Times, London Edition 1 ED, P 21

Friday, June 28, 1996

DOCUMENT TYPE: Features; NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

Word Count: 1,180

...of manufacturing for some of our competitors'. This has put a floor under any further price reductions .

Second , Korean producers have raised their spot prices to head off legal action in the US where there...

8/3,K/19 (Item 1 from file: 710)

DIALOG(R)File 710:Times/Sun.Times(London)

(c) 2002 Times Newspapers. All rts. reserv.

13580351

**SECOND-HAND TRUSTS CAN OFFER HIGH RETURNS FOR LOW RISK**

Times of London (TL) - Sunday, March 21, 1999

By: Matthew Wall

Section: Features

Word Count: 620

...this Pounds 270m sector is Scottish Value Management.

On launch, the trusts buy thousands of second -hand endowments from market makers at a discount , continue to pay the premiums and wait for the policies to mature. The profits are...

8/3,K/20 (Item 2 from file: 710)

DIALOG(R)File 710:Times/Sun.Times(London)

(c) 2002 Times Newspapers. All rts. reserv.

13213284

**CASHING IN AN ENDOWMENT IS NO TEA PARTY**

Times of London (TL) - Saturday, August 1, 1998

By: Gavin Lumsden

Section: Features

Word Count: 1,098

... investors are being given unrealistic growth projections when they buy Teps. The problem is that **discount** rates which market- **makers** use to price the **second** -hand policies are easily confused with projected rates of return. While discount rates range between...

8/3,K/21 (Item 3 from file: 710)  
DIALOG(R)File 710:Times/Sun.Times(London)  
(c) 2002 Times Newspapers. All rts. reserv.

05733364

**OFT RENEWS CONCERN OVER PRICE-FIXING; INSULATION MATERIALS**

Times of London (TL) - Friday October 12, 1990

By: Ross Tieman, Industrial Correspondent

Section: Business

Word Count: 327

...1987. Periodic meetings are believed to have been held to fix a scale of maximum **discounts** from **manufacturers** ' prices.

A **second** deal among eight companies covered insulation used by industry for pipes, trunking and plant. That...

12/3,K/1 (Item 1 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

0880093 98-40690

**Expert's comeback comes out at Comdex**

Varma, Kavita

South Florida Business Journal (Miami, FL, US), V18 N16 p1

PUBL DATE: 971205

WORD COUNT: 1,246

DATELINE: Coral Gables, FL, US, South Atlantic

TEXT:

...consumer interests, from programs for the home office to home and landscape design to games.

**After** 28 consecutive profitable quarters, Currier took the company public in 1995 with a goal to...the stock and attributes it to the McDonald's deal and also a trend in **discount** PC sales. **Currently** 40 percent of all PCs sold are under \$1000, Noglows said. With prices coming down...

...99 or \$59.99 on software?," he said. "The fact that Expert Software is the **leading producer** of **discount** software puts them in good position to take advantage of the trend."

Noglows and other...

12/3,K/2 (Item 2 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
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0399869 93-51369

**No more coupon clipping: David Humble's Advanced Promotion Technologies is rolling out a checkout counter terminal that may revolutionize grocery shopping**

Bader, Nancy

Florida Trend (St Petersburg, FL, US), V36 N2 s1 p32

PUBL DATE: 930600

WORD COUNT: 2,805

DATELINE: Deerfield Beach, FL, US

TEXT:

...cash in exchange for stock, then nearly \$1 million more over the next two years. **After** that, Humble rounded up \$1.1 million from Ohio-based Central Bancorp.; and then in...

...would be of little use, however, if Humble's product didn't work. So shortly **after** aligning with Nielsen, the New York research firm conducted a year-long study in Columbus...cents. The average transaction, Humble says, will cost advertisers six to seven cents.

Says Humble: "**Based on** our experience --we have had 55 million consumer transactions in our tests--we think \$7...

...that high, taking into account lag time for installation. His 1994 estimate is \$150 million. **After** that, however, Margoshes sees revenues vaulting to \$275 million in 1995 and \$400 million in...

...Value terminal at the checkout lane. These signals trigger a variety of responses, such as **instant coupons**, **coupons** for future purchases, recipes or even short commercials on the interactive computer screen. The Vision...

...coupon for Pampers. If a consumer buys Coca-Cola, Pepsico can pay to have a **coupon** issued.

ANOTHER BENEFIT: **Manufacturers** can cut their promotional **lead** time. Instead of the six to eight months it typically takes to develop specially priced...

12/3,K/3 (Item 1 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01383004 Supplier Number: 44010690 (USE FORMAT 7 FOR FULLTEXT)  
**DISCOUNT INDUSTRY ANNUAL REPORT: PART II: Old Standby Categories and Hot Newcomers Propel Discounters to \$111B in Sales**  
Discount Store News, v0, n0, p34  
August 2, 1993  
ISSN: 0012-3587  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1872

... Industry Report, Part 2 are:  
An explosion in jewelry and watch sales, with full-line **discounters** now in a dead heat with the traditional catalog outlets for market share, each accounting for...

...merchandise has added a spark to areas like children's apparel, toys and home fashion.

After years of neglect (and announced plans by Kmart to get out of the business), discounters...by the DSN staff, as well as detailed (and confidential) data and assistance from top **discount** chain executives, **leading manufacturers** and well-regarded trade associations. The research department of Lebhar-Friedman's Tampa-based Chain...

12/3,K/4 (Item 2 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01318606 Supplier Number: 43335317 (USE FORMAT 7 FOR FULLTEXT)  
**Doing the Discounters**  
Children's Business, v0, n0, p95  
Oct, 1992  
ISSN: 0884-2280  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2458

According to a number of **leading** apparel **manufacturers**, **discounters** do it better. When it comes to offering recession-worn consumers more value for their...

...years ago, people did not want to sell to a discounter. But that's changed now. The **discounter** is starting to offer more to broad-based America than the department store does. When...vice president Jack A. Hidary. 'We run the designs in color and make the merchandise **based on** designs by our own staff. You have to have the right styling for the discounters...stores, there have always been more procedures to follow than with discounters,' notes Shalom. 'But now the **discounter** is pushing their vendors for the service that's necessary. Servicing has become much more...

12/3,K/5 (Item 1 from file: 704)  
DIALOG(R)File 704:(Portland)The Oregonian  
(c) 2002 The Oregonian. All rts. reserv.

06696074  
A REMINDER: DO NOT PAY FOR COUPONS

Oregonian (PO) - TUESDAY, July 14, 1992  
By: JAN LEASURE  
Edition: FOURTH Section: FOODDAY Page: FD11  
Word Count: 1,268

TEXT:

...unwanted coupons in exchange for coupons that you need.

I am embarrassed to say that **after** reading the information from one organization I fell for the pitch and sent a \$25...

...I have a simple policy: Never pay for coupons. There are several reasons for this.

**First** , **manufacturers** ' cents-off **coupons** are abundantly available if you know where to look: newspaper pages, Sunday newspaper supplements, home ...

...twice as much money as I originally put in."

Ayron will receive \$50 worth of **current rebate** forms and a copy of "Inflation-Proof Recipes" for having her hint chosen for publication...

12/3,K/6 (Item 2 from file: 704)  
DIALOG(R)File 704:(Portland)The Oregonian  
(c) 2002 The Oregonian. All rts. reserv.

06120304

#### CLEARING UP COUPON CONFUSION

Oregonian (PO) - TUESDAY April 30, 1991  
By: JAN LEASURE  
Edition: FOURTH Section: FOODDAY Page: FD15-1 OP  
Word Count: 1,403

TEXT:

Dear Super Saver: I never thought I'd be writing you so soon **after** my thank-you note several months ago for your help in obtaining my Sharp appliance...

... and coupon shopping are extremely sophisticated and sensitive arenas that require constant explanation and redefinition.

**First** , yes, shoppers can redeem a **manufacturer** 's **coupon** and an in-store coupon together to reap a double savings. Why? Because the in...

...We consumers could then rush to the right store!"

Don will receive \$50 worth of **current rebate** forms and a copy of "Inflation-Proof Recipes" for having her hint chosen for publication...of package onto the cash register receipt and circle the price paid for the Edge **Aftershave** or send \$3.95 and two proofs-of-purchase -- one from Edge Shave Gel and...

25/3,K/1 (Item 1 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2002 The Gale Group. All rts. reserv.

01635308 Supplier Number: 54115141 (USE FORMAT 7 FOR FULLTEXT)  
**When crime pays. (manufacturer coupons)**  
Beyer, Leslie  
Grocery Headquarters, v63, n12, p41(3)  
Dec, 1997  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2324

... lot of different ways to look at and attack it."  
Although it is difficult for **manufacturers** to determine **coupon** loss, Corry says P&G **detects** a significant amount of misredemption, and takes steps to minimize and mitigate it. He notes...profitable target.  
"There is growing concern over Internet coupons," says GMA's Allen.  
"Consumers are **now** being offered **coupons** through the Internet they can print at home. Because these coupons are black and white...

25/3,K/2 (Item 1 from file: 638)  
DIALOG(R)File 638:Newsday/New York Newsday  
(c) 2002 Newsday Inc. All rts. reserv.

07235093  
**ADVERTISING/MARKETING/MEDIA Forgot Your Coupons ? No Problem**  
Manufacturers find **new ways**  
Newsday (ND) - Monday August 23, 1993  
By: Bruce Horovitz. LOS ANGELES TIMES  
Edition: NASSAU AND SUFFOLK Section: BUSINESS Page: 29  
Word Count: 866

**ADVERTISING/MARKETING/MEDIA Forgot Your Coupons ? No Problem**  
Manufacturers find **new ways**

... kiosks will "read" computer punch cards that give a rundown of your shopping list - and **instantly** emit **coupons** only for types of products you plan to buy.

This high-tech revolution is a...

25/3,K/3 (Item 1 from file: 704)  
DIALOG(R)File 704:(Portland)The Oregonian  
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09175215  
**COUPONS' VALUES VARY AROUND THE COUNTRY**  
Oregonian (PO) - Tuesday, June 24, 1997  
By: JAN LEASURE  
Edition: SUNRISE Section: FOODDAY Page: FDOP2  
Word Count: 1,097

... cents a box. Suddenly, I open the Buffalo coupon pages, and my 75-cent cereal **coupon** is **now** valid only on the purchase of TWO boxes, making my formerly doubled coupon bonanza only...

...75-cent coupons than even a single multiple-quantity (good off of two or more) **coupon**. Furthermore, maybe **manufacturers** need to find more creative and efficient ways to distribute their coupons to the people who really want...

... purchased during the 14-month coupon ban will begin to return to popularity among consumers, **now** that the **coupon** ban has been lifted. It is possible that consumers have switched brand loyalty on a...

...pack. My grandchildren were very happy about this deal.'

Ginny will receive \$50 worth of **current rebate** forms and a copy of The Coupon Encyclopedia for being chosen as this week's...

25/3,K/4 (Item 2 from file: 704)  
DIALOG(R)File 704:(Portland)The Oregonian  
(c) 2002 The Oregonian. All rts. reserv.

08066359

**WHEN COUPONS AREN'T WHAT THEY SEEM**

Oregonian (PO) - TUESDAY, March 7, 1995

By: Jan Leasure

Edition: FOURTH Section: FOODDAY Page: FDOP2

Word Count: 936

...crazy!)

'I combine coupons from a book the grocery store sends to my house, with **manufacturers' coupons found** in the newspaper, which I am able to double. For example, my first item is...

...are a challenge. I try to beat the system!'

Dawn will receive \$50 worth of **current rebate** forms and a copy of 'The Coupon Encyclopedia' for being chosen as this week's...

25/3,K/5 (Item 1 from file: 710)  
DIALOG(R)File 710:Times/Sun.Times(London)  
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**DRIVERS TOLD TO BID LOW AS CAR PRICES TUMBLE**

Times of London (TL) - Sunday, July 7, 1991

By: Ian Birrell and Mark Skipworth

Section: Home news

Word Count: 1,247

...found that pre-tax prices are up to 50% higher than elsewhere in Europe, although **manufacturers** argue that **discounting** is now undermining such **findings**.

The MMC report is also likely to change the way cars are sold through franchised...